61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAAGAG 61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACGGGCCCAACAACA CTCTTTTGTCCACCAGCCCAGCCTGACTCCTGAGATTGTGATAGCTCCATCAGCTTC 121 CCATGCTGCATCCAGAGACTCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCC 셤 8 8 8 g Sequence 49, Appl Sequence 321, App Sequence 31, Appl Sequence 33, Appl Sequence 18, Appl Sequence 17, Appl Sequence 17, Appl Sequence 16539, A Sequence 14802, A Sequence 11, Appl Sequence 3, Appli Sequence 3, Appli Sequence 7525, Ap Sequence 7525, Appli Sequence 7525, Appli Sequence 7525, Appli Sequence 17, Appli Sequence 17, Appli Sequence 17, Appli Sequence 7525, Ap Sequence 17, Appli Sequence 11, Appli Sequence 11, Appli Sequence 11, Appli Sequence 21, Appli Sequenc September 10, 2004, 18:28:30 ; Search time 159 Seconds (without alignments) 6547.722 Million cell updates/sec Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Issued Patents NA:\*

(cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*
/cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*
/cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*
/cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*
/cgn2\_6/ptodata/2/ina/PcTUS\_COMB.seq:\*
/cgn2\_6/ptodata/2/ina/PcTUS\_COMB.seq:\* GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd. US-09-866-028-49
US-09-043-321
US-09-620-3120-75
US-09-63-32-0-75
US-09-86-028-53
US-09-86-028-53
US-09-86-028-53
US-09-86-028-53
US-09-81-942C-18
US-09-83-381-1076
US-09-83-381-1076
US-09-252-991A-14802
US-09-252-991A-14802
US-09-252-991A-14802
US-09-252-991A-14950
US-09-252-991A-1550
US-09-252-991A-7559
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599
US-09-252-991A-7599 Total number of hits satisfying chosen parameters: 682709 seqs, 277475446 residues SUMMARIES - nucleic search, using sw model Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries IDENTITY\_NUC Gapop 10.0 , Gapext 1.0 Minimum DB seq length: 0 Maximum DB seq length: 200000000 US-09-944-896-49 1876 Query Match Length DB 4724 4724 1403765 885 969 1101 1176 4403765 4411529 7218 1155 1111 3558 3558 3558 11448 40628 40628 Title: Perfect score: Sequence: Scoring table: 8888888 88 9999999 88 444460000 OM nucleic Database : Searched: Run on: Result 8

33, Ap 33, Ap 06, Ap 62, Ap 62, Ap 86, Ap 3, App 9, App Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli			
8010798916 . 2		AND NUCLEIC	Gaps
sednence Sed		4)	1876;
		POLYPEPTIDES	Length Indels
1		· •	DB 4;
US-09-252-991A-1839 US-09-252-991A-9106 US-09-252-991A-9106 US-09-252-991A-8765 US-09-252-991A-8765 US-09-252-991A-698 US-09-252-991A-699 US-09-252-991A-609 US-09-252-991A-719 US-09-252-991A-719 US-09-664-99 US-09-61-976-42 US-09-61-976-42 US-08-61-976-42 US-08-68-618-1	SINIS	728 TRANSMEMBRANE NG THE SAME /866,028 CODSULL PALM	876; o. 0; tches
22 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	AL I GNMENT	Application US/09866028 542360 542360 SANATION: Backer, Kevin Botstein, David Betstein, David Betstein, David Gertisen, Mary Goddard, Audrey Goddard, Audrey Goddard, Austin Hillan, Kenneth Hillan, Kenneth Napier, Mary Roy, Austin Nod, Milliam FENTION: SECRETED AND TRANSME TENTION: ACTEDS ENCODING THE CEE: P2548PLC1 LICATION NUMBER: US/09/866,02 LICATION NUMBER: US/09/866,02 LICATION NUMBER: US/09/866,02 Aution data removed - consult Como Sapien	ᆔᇎᅋ
80 - SN 80	ΑΓ	SGULT 1 Sequence 49, Application US/09866028 Sequence 49, Application US/09866028 Patent No. 6642360 APPLICANT: Baker, Kevin APPLICANT: Bactelin, David APPLICANT: Bactelin, David APPLICANT: Eaton, Dan APPLICANT: Ferrara, Napoleone APPLICANT: Geriates, Mary APPLICANT: Geriates, Mary APPLICANT: Gerianaldi, Christopher APPLICANT: Gedowski, Paul APPLICANT: Grimaldi, Christopher APPLICANT: Grimaldi, Christopher APPLICANT: Grimaldi, Christopher APPLICANT: Grimaldi, Christopher APPLICANT: Kljavin, Ivar APPLICANT: Krometh APPLICANT: Krometh APPLICANT: Napier, Mary APPLICANT: Nood, William APPLICANT: Nood, William TITLE OF INVENTION: BERRETED AND TRAN TITLE OF INVENTION: ACIDS ENCODING TITLE OF INVENTION DATE: 2001-05-25 Prior application data removed - cons' NUMBER OF SEQ ID NOS: 120 LENGTH: 1876 TYPE: DNA ORGANISM: HOMO Sapien	Pr.
ช ซ ซ ซ ซ ซ ซ ซ ซ ซ ซ ซ ซ ซ ต ฅ ฅ ฅ		nn US/09866 nn aavid aavid poleone Balen Balen Mary Grey Aaul hristopher tin nneth aar CICTED AND CIDS ENCOD 1C1 MARER: US-25 MARER: US-25 removed -	100.0%; 100.0%; ive 0
113 143 143 143 145 145 145 145 145 145 145 145 145 145		Application US/09, Application US/09, RMATION: Baker, Kevin Baterin, David Botstein, David Botstein, David Botstein, David Gerritsen, Mary Goddard, Audrey Goddard, Audres God	100 100 tive
HH000000000000000000000000000000000000		olicatic 860 110N: 12. Kevi 13. Kevi 13. Kevi 13. Trara, Na 13. Trara, Na 14. Trara, Na 14. Margar 14. Margar 16. Margar 10N: SE 10N:	100 larity 100 Conservative
		SEQUENCE 49, Application U SEQUENCE 49, Application U SENERAL INFORMATION; APPLICANT: Baker, Kevin APPLICANT: Baker, Kevin APPLICANT: Batch, Dan APPLICANT: Fitwaroff, Bli APPLICANT: Fitwaroff, Bli APPLICANT: Fitwaroff, Bli APPLICANT: Goddard, Audre APPLICANT: Goddard, Audre APPLICANT: Goddard, Audre APPLICANT: Godowski, Paul APPLICANT: Godowski, Paul APPLICANT: Gorowski, Austin APPLICANT: Major, Maryar APPLICANT: Napier, Mary APPLICAN	similarity 6, Conser
8888887777777777777		1 700 EESTICE H4	atch sal Sim 1876;
		RESULT 1 US-09-866-028 SEQUENCE 49 PRECENT NO. GENERAL INV. APPLICANT: APPLIC	
00000000000000444444 000000040000000000		RESULT 1 US-09-866-0 Sequence Parent No GENERAL IN APPLICAN APPLIC	Query M Best Lo Matches
0 0 0 0		NESS S S S S S S S S S S S S S S S S S S	ÕÃĔ

180

000

P S	181 TCCTTGGCACCACCTGGGCAAGGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGG 240	a ?	1261 ACTCCTTC
Q.y Dp	241 CCGGAGCCCTGAACAGGAAGGAGGTTTCTTGCTCCTCCTCCTGGACACGCCTGCGCA 300 		
රු සි		, d	1381 TGCAGGCT
λò	AACTGGCTCAAGCCAGGGCAGCCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCC	OY Db	1441 TCTGCCAG          1441 TCTGCCAG
g 2			U-
<u>8</u> 5	421 TGTGGGGGATCCTTGGAAGTGGGGTGGAAAATTGGGTGGTGGTGGGTTGGGCTTGGGCCCT 480 421 TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCCCGCGGGCTTGGCGTCCT 480		
SP SS	481 TTGTTGAAGTGGTCAGCCTATGGTTTGCAGAGGGCAGCGGTACAGCCACGCGGCAGGAG 540	λ Α Γ	1561 GGAACAAG         1561 GGAACAAG
λ O Dp	541 AGTGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGGCCACCTCAAGCC 600 541 AGTGTCGCTACACCTGCACCCACTACACGCAGCTCGTGGGCCACCTCAAGCC 600	ζζ QΩ	1621 AATGCCAGI         1621 AATGCCAGI
දු දු	601 AGCTGGGCTGTGGGCCGGCCCTGCAGGCCAGACAACGATAGAAGCCTTTGTCT 660	QY Db	1681 AGAAGAAG          1681 AGAAGAAG
, 참 음	661 GTGCCTACTCCCCGGAGGAACTGGGAGGTCAACGGGAAGACATCATCCTCCTATAAGA 720 	\$ g	1741 GAAGGAGAC         1741 GAAGGAGAC
رة 19			
<i>ا</i> خ ط	781 AIGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG 840 	y da	1861 CTGAAAAA           1861 CTGAAAAA
S S	841 GACGICTCAACATCAGCACCTGCCACTGCCACTGCCTGGCTACACGGGCAGATACT 900	RESULT 2 US-09-404-879A-321 ; Sequence 321, Ap	879A-321 : 321, Applica
<i>&amp;</i> 9	901 GCCAAGTGAGGTGCAGCTGCAGTGTGCACGGCGGTTCCGGGAGGAGGAGTGCTCGT 960 	; Patent N ; GENERAL ; APPLICA ; APPLICA	; Patent No. 6468546 ; GENERAL INFORMATION: ; APPLICANT: Mitcham; ; APPLICANT: King, Go
oy Oy	961 GCGTCTGTGACATCGGCTACGGGGAGCCCAGTGTGCCAACGTGCATTTTCCCTTCC 1020	, APPLICA , TITLE C , TITLE C , FILE RE	NT: Algate, F INVENTION: F INVENTION: FERENCE: 21
S S	1021 ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCT 1080	; CURRENT ; CURRENT ; NUMBER ; SOFTWAR	APPLICATION FILING DATE OF SEQ ID NO!
Qy Db	1081 ATTACAGAGCCAGGATGAAATGTCAGAGGAAAGGCGGGGTGCTGGCCCAGATCAAGAGCC 1140 	; SEQ ID NO 3 ; LENGTH: 6 ; TYPE: DNA ; ORGANISM:	IQ ID NO 321 LENGTH: 690 TYPE: DNA ORGANISM: Homo sapi
70 70	1141 AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA 1200 	; FEATUR ; NAME/K ; LOCATI ; OTHER	FEATURE: NAME/KEY: misc_feat LOCATION: (1)(65 OTHER INFORMATION:
දුරු දුර	1201 CTGACAGTGACTTCGAGAACTTCTGGATCGGGCTCACCTACAGACGCCAAGG 1260 	US-09-404-879A-321 Query Match Best Local Simil	879A-321 tch al Similarity
È	1261 ACTCCTTCCGCTGGGCCACAGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC 1320	Matches	685; Conser

```
CCACGGGCTGGTGTGTGCTGCTTGGGGTTTGGCAACTGCGTGGAGC 1380
                                                                                   CCACGGGCTGGTGGCTGAGTGCTGCCATGGGGTTTGGCAACTGCGTGGAGC 1380
                                                                                                                                     TTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCGGAAACCGTTACA 1440
                                                                                                                                                              TTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAAACCGTTACA 1440
                                                                                                                                                                                                                                                                                          CCCTCGCCTGCCCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCCACTGTCT 1560
                                                                                                                                                                                                                GTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCA 1500
                                                                                                                                                                                                                                       GTTTGCCCAGGAGCACATCTCCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCA 1500
                                                                                                                                                                                                                                                                                                                                                                                              GGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GCTGGGGCCTTCGCCTGTTTGATTGGGAAGATGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEGCCAGETTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         um, Jennifer L.
Gordon E.
Paul A.
COMPOSITIONS AND METHODS FOR THE THERAPY AND II. DIAGNOSIS OF OVARIAN CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 35.9%; Score 672.8; DB 4; Length 690;
ty 99.3%; Pred. No. 5.3e-164;
ervative 0; Mismatches 4; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E: 1999-09-24
OS: 393
for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N NUMBER: US/09/404,879A
E: 1999-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cation US/09404879A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   piens
```

```
982 GGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCCACACCTGTGACCTGAGGATCG 1041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1042 ACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCTATTACAGAGCCAGGATGAAAT 1101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 875 GGCGCTGCGTGTGTAACCCCGGCTACACTGGCGAGGACTGTGGGGGTGAGGAGCTGCCTC 934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               935 GGGGCTGCAGCGGGGGGGCTGCAAGGACGGGCGCTGCGTGTGTGACCCCGGCTACA 994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                922 AGIGIGIGCACGGCCGGIICCGGGAGGAGGAGIGCTCGIGCGICTGIGACAICGGCIACG
                                                                                                                                                                                                                                                                                                                                                                                                           862 GCCACTGCCCACTGTCCCCCTGGCTACAGGGCAGATACTGCCAAGTGAGGTGCAGCCTGC
                                                                                                                                                                                                                                                                                                                                    Query Match 2.6%; Score 48.4; DB 4; Length 13857; Best Local Similarity 49.2%; Pred. No. 0.017; Matches 127; Conservative 0; Mismatches 131; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3, Application US/09433248A
Patent No. 6355462
GENERAL INFORMATION;
APPLICANT: Falco, S. Carl
APPLICANT: Famodu, Omolayo O.
APPLICANT: Ram, Feng
TITLE OF INVENTION: Disease Resistance Factors;
TITLE OF INVENTION: Disease Resistance Factors;
FILE REFRENCE: BB1252 US NA.
CURRENT APPLICATION NUMBER: US/09/433,248A
CURRENT PILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,242
PRIOR APPLICATION NUMBER: 60/107,242
NUMBER OF SEQ ID NOS: 8
SEQ ID NO 3
LENGTH: 582
LENGTH: 582
                       CURRENT PEPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/582,317
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SEQ ID NO 75
LENGTH: 13857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1102 GTCAGAGGAAAGGCGGGG 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1115 Grccgaggacrgccggg 1132
                                                                                                                                                                                                         TYPE: DNA

ORGANISM: Homo sapiens

FRATURE:
NAME/KEY: CDS

LOCATION: (1). (13857)

US-09-620-312D-75
             FILE REFERENCE: 784CIP2B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (370)
unsure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         unsure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-433-248A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
NAME/KEY: U
LOCATION:
NAME/KEY: U
LOCATION:
NAME/KEY: U
NAME/KEY: U
NAME/KEY: U
NAME/KEY: U
                                                                                                                                                                                                                                                                                                                                                                                                             ે
                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             οp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                    TCTGTGACATCGGCTACGGGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCCACA 1023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1024 CCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACTATT 1083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1084 ACAG-AGCCAGGATGAAATGTCAGAGGAAAAGGGGGGGTGCTGGCCCAGATCAAGAGCCAG 1142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGACT 1202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1203 GACAGTGACTTCGAGACCCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGGAC 1262
TGGGCTGTGGGGCGCCTGTGCTGCAGGCCAGACAGAGAAAGCCTTTGTCTGTG
                                                                     CCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCTCTATAAGAAGG 723
                                                                                                61 CCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGAAGG 120
                                                                                                                                            724 greccingarerrescretesacasecasterererassecrecricaaasecrissasses
                                                                                                                                                                   CAGGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATGGAC 843
                                                                                                                                                                                                                                              241 GTCTCAACATCAGCACTGCCACTGTCCCCCTGGCTACACGGGAATACTGCC 300
                                                                                                                                                                                                                                                                                                                                                             AAGTGAGGTGCAGCTGCAGTGTGTGCACGGCCGGTTCCGGGAAGGAGGAGTGCTCGTGCG 963
                                                                                                                                                                                                                                                                                                                                                                                              301 AAGTGAGGTGCAGCCTGCAGTGTGCACGGCCGGTTCCGGGAGGAGGAGGAGTGCTCGTGCG 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  421 CCTGIGACCTGAGGAICGACGGAGACTGCTTCATGGTGTCTTCAGGGGAGACACTATT 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          099
                     361 TCTGTGACATCGGCTACGGGGGGGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCCACA 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GTCTCAACATCAGCACTGCCACTGCCACTGTCCCCCTGGCTACACGGGCAGATACTGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               601 GACAGTGACTTTGAGACCAGGAACTTCTGGATNGGGCTCACACAAGAAGGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-620-312D-75

Sequence 75, Application US/09620312D
Patent No. 656962
GENERAL INPORMATION:
APPLICANT: Liu, Chenghua
APPLICANT: Tang, Y. Tom
APPLICANT: Anudi, Vinod
APPLICANT: Ren, Feiyan
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Chen, Rui-hong
APPLICANT: Chen, Rui-hong
APPLICANT: Wehrman, Tom
APPLICANT: Weng, Jian-Rui
APPLICANT: Wang, Jian-Rui
PPLICANT: Wang, Chiwei
PLICANT: Wang, Chiwei
'LICANT: Dormanac, Radoje T.
E OF INVENTION: Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCCTTCCGCTGGGCCACAGGGGGGGCACCAG 1292
                                                                                                                                                                                                                 784
                                                                       664
                                                                                                                                                                                                                                                                                                                                                                                                                                    964
                                                                                                                                                                                                                                                                                                                                                               904
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1263
                                                                                                                                                                                                                                                                                        844
                                                                                            g
                                                                     à
                                                                                                                                        92
Db
                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                          8 8
                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                    g
S
                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8,88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

· 0

```
1016 CTTCCACACCTGTGACCTGAGGATCGACGGAGGCTGCTTCATGGTGTCTTCAGAGGCAGA 1075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1076 CACCTATTACAGAGCCAGGATGAAATGTCAGAGGAAAAGGCGGGGTGCTGGCCCAGATCAA 1135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               136 GAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGA 1195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      297 CTTCGGCATGAGCGACCTGACCTCGACGGCAACCGCGACAACCTGTCCGCCAAGGTCGA 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          357 CGGCTGGTTCAACGGCTACATCCCCGGCCAGGACGGCCCGATCGCGACGTGACCCCTGGA 416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               417 GCGGGTGGAAATCCGCGAGAGTGTCCGGCTACGGTTTCGACCCCCACGAGAACCATCAA 476
                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
2.3%; Score 43.4; DB 2; Length 1155;
Best Local Similarity 49.8%; Pred. No. 0.12;
Matches 110; Conservative 0; Mismatches 111; Indels 0
                                                                                                                                                                                                     1254 GCCAAGGACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTC 1298
                                                              2.4%; Score 45; DB 4; Length 45;
100.0%; Pred. No. 0.013;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                        1 GCCAAGGACTCCTTCCGCTGGGCCACAGGGAGCACCAGGCCTTC 45
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 18, Application US/08387942C
Patent No. 5939289
GENERAL INFORMATION:
APPLICANT: BETESVAG, HELGA
APPLICANT: VALLA, SVEIN
APPLICANT: LARSEN, BJORN
TITLE OF INVENTION: BNA COMPOUNDS COMPRISING SEQUENCES
TITLE OF INVENTION: ENCODING MANNURONAN C-5-EPIMBERASE
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1196 GGTGACTGACAGTGACTTCGAGACCAGGAACTTCTGGATCG 1236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP
STREET: P.O.BOX 747
CITY: FALLS CHURCH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/387,942C
FILING DATE: 09-MAY-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: MURPHY UR, GERALD M.
REGISTRATION NUMBER: 28,977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 18
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-387-942C-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 703-2...
INFORMATION FOR SEQ ID NO: 16
SEQUENCE CHARACTERISTICS:
TENGTH: 1155 Date pairs
                                                                 Query Match
Best Local Similarity 100.0
Matches 45; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22042
                                                                                                                                                                                                                                                                                                                                                                         RESULT 6
US-08-387-942C-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ΚŽ
   US-09-866-028-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE:
                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1210 ACTICGAGACCAGGAACTICTGGAICGGGCTCACCTACAAGACCGCCAAGGACTCCTICC 1269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1270 GCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGCCTGACAACC 1329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1330 ACGGGCTGGTGTGCCTGAGTGCTGCCATGGGGTTTTGCCAACTGCGTGGAGCTGCAGGCTT 1389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 CCGGGCTGATGATCCTGGACCCGTACGGCGGGCAGATCGGCAGCGTGGCGGGGGGCGGA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 ACATCCTGAACCGGACCATCGCCATGGACACCTCCAACAAGGCCACCTCCGACTACGTCC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REPERENCE: P2548F1C1 CURRENT APPLICATION NUMBER: US/09/866,028 CURRENT FILING DATE: 2001-05-25 Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1390 CAGCIGCCITCAACIGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACAICTG 1444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 decementedecedecedes de la contra dela contra de la contra de la contra de la contra de la contra dela contra de la contra dela contra de la contra del contra dela contra dela contra de la contra de la contra de la contra dela contra del la contra del la contra dela contra dela contra del la contra del la contra dela contra del la contra dela contra del la contra dela contra del la contra del la contra dela contra dela contra del la contra dela contra 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.5%; Score 47.8; DB 4; Length 582; 50.2%; Pred. No. 0.0067; tive 0; Mismatches 117; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE: OTHER INFORMATION: Synthetic oligonucleotide probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 53, Application US/09866028 Patent No. 6642360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 50.24
Matches 118; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gurney, Austin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumas, Daniel
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Roy, Margaret
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/LOCATION: (564,
NAME/KEY: unsure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                            unsure
(547)
                                                                                                                                       unsure
(502)
                                                                                                                                                                                                                                                                          unsure
(542)
                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: unsure
LOCATION: (564)
                                                                                                                                                                                                            unsure
                                                                                                  (484)
                                                                                                                                                                                                                                             (511)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-433-248A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-866-028-53
                                                                                                                               NAME/KEY:
LOCATION:
NAME/KEY:
                                                                                                                                                                                                                                                                                                    LOCATION:
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 53
LENGTH: 45
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                             OCATION:
                                                                                                                                                                                                                                                                       NAME/KEY:
                                                                                                         i on
                                                                                                                                                                                                                                         LOCATION:
                                    LOCATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     đã
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
```

```
g
```

```
1136 GAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCCACCAACGA 1195
                                                                             2643 Godgardancoccanantercoccinectrocaccoccacanda 2702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              944 GGAGGAGAGTGCTCGTGCGTCTGTGACATCGGCTACGGGGGAGCCCCAGTGTGCCACCAA 1003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2166 cciccácricagogececegaridadac---gectriceaggecerigeraciaciacia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2106 GGAGGAGGGGGTCCGCTGCCTGGCTATGGGGGGGGGACCTGTGCGATGTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1004 GGIGCATITICCCTICCACACCIGIGACCTGAGGAICGACGAGACTGCTTCAIGGIGIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTCAGAGGCAGACACCTATTACAGAGCCAGGATGAAATGTCAGAGAAAGGCGGGGTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ω
;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
2.3%; Score 42.6; DB 5; Length 3259;
Best Local Similarity 53.0%; Pred. No. 0.29;
Matches 115; Conservative 0; Mismatches 99; Indels 3
                                                                                                                                                                                                                                                                     Sequence 1, Application PC/TUS9503747
GENERAL INFORMATION:
APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSER:
STREET: 4370 La Jolla Village Drive, Suite 700
                                                                                                                     1196 GGTGACTGACAGTGACTTCGAGACCAGGAACTTCTGGATCG 1236
                                                                                                                                                                  2703 ccricacarcceceacacerecececeacacacaceres 2743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03747
FILING DATE: 2-MAR.1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REGISTRATION NUMBER: 37,643
REGISTRATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGCCCAGATCAAGAGCCAGAAGTGCAGGACATCCTC 1160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           deceagearcacecedasearcadastricare 2319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 3259 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CDS
112..2848
                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 4370 La Jo
CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; NAME/KEY:
; LOCATION:
PCT-US95-03747-1
                                                                                                                                                                                                                                  RESULT 8
PCT-US95-03747-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT
                                                                        g
                                                                                                                                                                  임
                                                                                                                     \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ⋧
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \stackrel{>}{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2523 CTTCGGCATGAGCGACCTCGACGCAACGGCAACCGAAACCTGTCCGCCAAGGTCGA 2582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1076 CACCTATTACAGAGCCAGGATGAAATGTCAGAGAGAAAGGCGGGGGTGCTGGCCCAGATCAA 1135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2583 caccigerichacdecrachreecedechdeacedecedarecedacherecered 2642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1016 CITCCACACCTGTGACCTGAGGATCGAGGAGACTGCTTCATGGTGTCTTCAGAGGCAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 2.3%; Score 43.4; DB 2; Length 12588; Best Local Similarity 49.8%; Pred. No. 0.31; Matches 110; Conservative 0; Mismatches 111; Indels 0;
                                                                                                                                                                       APPLICANT: STESYAG, HELGA
APPLICANT: STESYAG, HELGA
APPLICANT: VALLA, SVEIN
APPLICANT: SKJAK-BRAĒK, GUDMUND
APPLICANT: LAKSĒN, BOORN
TITLE OF INVENTION: DNA COMPOUNDS COMPRISING SEQUENCES
TITLE OF INVENTION: BNCODING MANNURONAN C-5-EPIMĒRĀSĒ
NUMBĒR OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSĒE: BIRCH, STEWART, KOLASCH & BIRCH, LLP
STRĒT: PALLS CHURCH
477 CCTGACGATCGCGACAGCGTGGCCCACGACAACAGCCTCG 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: LEM PC compatible
COMPUTER: LEM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,942C
FILING DATE: 09-MAY-1995
CLIASSIFICATION: 4355
ATLORSIFICATION: NUMBER: 1899-106P
REGISTRATION: WUMBER: 1899-106P
REPERBANCE/DOCKET NUMBER: 1809-106P
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 12588 base pairs
TYPE: MODELOCK STANDER: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Azotobacter vinelandii
STRAIN: E
                                                                                                            Sequence 1, Application US/08387942C
Patent No. 5939289
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
E: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CDS
2227..6438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CDS
6702..9695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9973..12588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CDS
290..1951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: line
MOLECULE TYPE: I
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: VA
COUNTRY: US
ZIP: 22042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY:
LOCATION:
                                                                 RESULT 7
US-08-387-942C-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NAME/KEY:
; LOCATION:
US-08-387-942C-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
```

d à φ

```
222 CTGCCACACATGGGGGGGGGTGTTCACCCACCACGGGTGCTGCGGAGTGTGAGCCTGGGGTA 281
                                                                                                                                                                                                                                  342 cerácecráceceráradaceráadad 369
                                                                                                                                                                                  947 GGAGGAGTGCTCGTGCGTCTGTGACATC 974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5-09-252-991A-14802/c
Sequence 14802, Application US/09252991A
Patent No. 6551795
                                                                                                                                                                                                                                                                                                                             S-09-252-991A-14810
Sequence 14810, Application US/09252991A
Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             i ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                  g
                                                                                     ð
                                                                                                                                                                                        ò
                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1324 ACAACCACGGGCTGGTGTGGCTGCTGCCATGGGGTTTGGCAACTGCGTGGAGCTGC 1383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1384 AGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACATCT 1443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1444 GCCAGTITGCCCAGGAGCACATCTCCCGGTGGGGCCCCAGGGTCCTGAGGCCTGACCACAT 1503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1504 GGCTCCCTCGCCTGCCCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCTGGA 1563
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1564 ACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCACAAT 1623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          368 AKMRRMAAAGGSYCGMTSYTSGSKMTGRKGSMTKRKRNMTYSGMWWTSYKCTKTGKKYTG 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                248 RSWMRAGAGWWRARRGKKRARGKSSMMRSKMSSMRMSGMRARWWRSCRRWSYSCWG 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                188 SKCMSCRGTCAKMWRYARYAKRYASSMGKYWMGCRWCYAKCARWYGYYRSRSRGTGSRGM 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        827 CTGCCAGAACCATGGACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTA 886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   128 KYRRRKMYYMMKYMMWSWWCYRMGAAMYGMSARAYRMYASMSACKMCSRWMKMMSWWM 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           308 WKSKKTRWICTSWRKYMMMNSGCWARSMKSWARSWYSMMACWCWMSASAYRARRSWYGAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1076 Application US/09833381

Parent No. 6672186
GENERAL INFORMATION:
APPLICANT Robison, Keith E..
TITLE OF INVENTION: No. 6672186e1 Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/833,381
CURRENT APPLICATION NUMBER: 09/516,448
PRIOR PRILING DATE: 2000-02-29
PRIOR FILING DATE: 2000-02-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        o,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 2.2%; Score 40.8; DB 4; Length 393; Best Local Similarity 54.7%; Pred. No. 0.37; Matches 81; Conservative 0; Mismatches 67; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 2.2%; Score 41.8; DB 4; Length 505; Best Local Similarity 11.8%; Pred. No. 0.22; Matches 37; Conservative 142; Mismatches 134; Indels
                             Sequence 15539, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
ITLE OF INVENTION: BESTS and Encoded Human Proteins.
FILE REPERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: PATENT. PM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1076
LENGTH: 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1624 GCCAGAAGTTGGG 1636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : | ::: : : |
68 RCWRSRYRCWMSG 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OKGANISM: Homo sapiens
US-09-833-381-1076
                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Homo sapiens
US-09-621-976-15639
                     US-09-621-976-15639/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 10
US-09-833-381-1076
                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 15639
LENGTH: 505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM:
```

g

S 8

ò S ò d

à

```
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
FILE REFREBENCE: 107196-136
CURRENT APPLICATION NUMBER: 1080/09/252,991A
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR PLING DATE: 1999-02-18
PRIOR PLING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
LENGTH: 1428
LENGTH: 1428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEEC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: NUCLEER 1907-18
CURRENT APPLICATION NUMBER: US,09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US,60/074,788
PRIOR APPLICATION NUMBER: US,60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14810
LENGTH: 948
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sse eceacecrareceridadarrantagarnáceacarececerecitoritadociticadorid ess
282 chadddecehederiddehaddanerrardddegdaddarddardddardddarddard 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                105 GACGGGCCCAACAGACCCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                476 gecedencia de consecue de 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 165 gengreerecerecerecentescacereces and general concentrations and the second contracts and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        225 GAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGAGAGTTTCTTGCTCCTCTCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             285 CACAACCGCCTGCGCAGCTGGGTCCAGCCCCCTGCGGCTGACATGCGG 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         656 ACCCTGACCCTCCACGACCGCGCGCGCGGGGGGAAGCCTG 703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 948;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 2.2%; Score 40.8; DB 4; Length 9
Best Local Similarity 48.7%; Pred. No. 0.52;
Matches 111; Conservative 0; Mismatches 117; Indels
```

methods for

```
2952 AGGTCCCCTATATGGACCGGGGCCTGGTCGCCCTCGGCACCGGAGGGGCGCGGACGGGC 3011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3012 cegricordentrotrotrotedescrintacedacedescesecerotrotrotacedesceses 3071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8072 cecrérédecarcréarcréceacccéaceaccactrrecréarrecédecécécace 3131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3132 CACCGCCÁGCACGTGGCCCCCCCCTGGAGGTCCTGGCCCCCCCCAGGGCCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3192 ceaccriecrideceacceacecedeacacridererececeaadacereagereareaceg 3251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3252 AcGACTACGGCTGCGGCAACATCGTCGTGGAACACCAGCTGGACAACGGCGTCCTGGCGA 3311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     265 GITICINGCICCICICCICCRAACCGCCIGCGCAGCICCAGCCCCCCTGCGGCIG 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        385 TCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCCTGTGGCGCACCCTGCAAGTGGGCT 444
                                                         APPLICANT: August, Paul R.

APPLICANT: August, Paul R.

TITLE OF INVENTION: Genes encoding resistance to DNA
TITLE OF INVENTION: density agents that inhibit resistance to DNA
TITLE OF INVENTION: densitying agents that inhibit resistance to DNA
TITLE OF INVENTION: densitying agents that inhibit resistance to DNA
TITLE OF INVENTION: densitying agents that inhibit resistance to DNA
TITLE OF INVENTION: densitying agents that inhibit resistance to DNA
TITLE OF INVENTION: downers. us 08/524,447A
CURRENT FILING DATE: 1996-08-19
EARLIER RILING DATE: 1994-10-06
EARLIER RILING DATE: 1993-10-07
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCCTTGGCACCACCACGAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2892 degéréregaceacecececerresacesececereseceresecracesecraceses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGAACATGCAGCTGCCCGGGGCTTGGCGTCCTTTGTTGAAGTGGTCAGCCTATGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      325 ACATGCGGAGGCTGGAGTGAGTGACAGCCTGGCCCAACTGGCTCAAGCCAGGGCAGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     505 TIGCAGAGGGCAGCGGIACAGCCACGCGGCAGGAGIGIGGIGGCICGCAACGCCACCIGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       565 CCCACTACACGCAGCTCGTGTGGGCCACCTCAAGCCAGCTGGGGCTGTGGGCGGCACCTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GCTCTGCAGGCCAGACAGCGATAGAAGCCTTTTGTCTGTGCCTACTCCCCCGGAGGCAACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGCCGCCCGAGTACGCGCCGCTCACCGATGACCCGGTCGCC 3474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                685 GGGAGGTCAACGGGAAGACAATCATCCCCTATAAGAAGGGTGCC 728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.2%; Score 40.8; DB 4;
.larity 43.0%; Pred. No. 0.94;
Conservative 0; Mismatches 332;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Streptomyces lavendulae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3, Application US/08404665
Patent No. 5591583
GENERAL INFORMATION:
APPLICANT: Reid, Robert A.
                       David H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4052
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-624-447-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       251;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 15
US-08-404-665-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       염
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 14950, Application US/09252991A

Sequence 14950, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION: REAL OF SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: AERGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

TITLE OF INVENTION: AERGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

CURRENT APPLICATION NUMBER: US/09/252,991A,

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR PILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 14950.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1425
                                                                                                                                                                                                                                                                                                                                                                            164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1246 ecceccició de consecuencia de consecuenci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1306 decedecidecided de decidades de contra de decembrados de contra de cont
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           decedederectedesercedesedenteresedeses 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GCGCCCTGTGGCGTGGCCTTGATCGGCTACGGCCTGGCCTGCTTCGCCTCAGCTGG 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              284
                                                                                                                                                                                                                                                                                                                                                    105 GACGGGCCCAACAGACCCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                               GCTGTGCTCCTGGCCTCCTTGGCACCTGGGCAGAGGTGTGGCCCACCCCAGCTGCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGAGATTTCTTGCTCCTCTCCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   165 GCTGTGCTCCTGGCCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCAGCTGCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                225 GAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGAGGTTTCTTGCTCCTCTCCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1366 GCGCCCTGTGGGTGGCGTTGATCGCCTACGCCCTGGGCGCCCTGCTTCGCCCTCAGCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             105 GACGGGCCCAACAGACCCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTG
                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CACAACCGCCTGCGCAGCTGCGGCCCCCTGCGGCTGACATGCGG 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACCTGACCCTCGACCACCACGAGCCGCGTGCGGCGGGGAAGCCTG 292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1426 ACCCTGACCTCGACCACCTCCACGAGCCGCGTGCGGCGGGGAAGCCTG 1473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 285 CACAACCGCCTGCGCAGCTGCGTCCAGCCCCCTGCGGCTGACATGCGG 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1668;
                                                                                                                                                                                 Score 40.8; DB 4; Length 1
Pred. No. 0.62;
0; Mismatches 117; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches 117; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 40.8; DB 4;
Pred. No. 0.66;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 14
US-08-624-447.11
; Sequence 11, Application US/08624447A
; Patent No. 6524812
; GENERAL INFORMATION:
; TYPE: DNA
; ORGANIEM: Pseudomonas aeruginosa
US-09-252-991A-14802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                            Query Match
Best Local Similarity 48.7%;
Matches 111; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 48.7%;
Matches 111; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -09-252-991A-14950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-252-991A-14950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 399
                                                                                                                                                                                                                                                                                                                                                                                                                                          d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
```

us-09-944-896-49.rni

```
Query Match

2.2%; Score 40.8; DB 1; Length 4724;
Best Local Similarity 52.3%; Pred. No. 1;
Matches 90; Conservative 0; Mismatches 82; Indels 0;
APPLICANT: Ackley, Rhonda L.
APPLICANT: Hemperly, John J.
TITLE OF INVENTION: HUMAN RESTRICTIN AND NUCLEIC ACID
TITLE OF INVENTION: HUMAN RESTRICTIN AND NUCLEIC ACID
TITLE OF INVENTION: SEQUENCES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS: 4
CORRESPONDENCE Richard J. Rodrick, Becton Dickinson and ADDRESSEE Company
STREET: Becton Drive
CITY: Franklin Lakes
STATE: NJ
COMPUTER: BAP COMPACIBLE
COMPUTER: READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: SETEM PC COMPACIBLE
OFFRATING SYSTEM: PC COMPACIBLE
OFFRATING SYSTEM: PC COMPACIBLE
COMPUTER: SETEM: NSPENCENCE
SOFTWARE: Patentin Release #1.0, Version #1.25
CUNRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/404,665
FILING DATE:
CLASSIFICATION NUMBER: 32,135
REPERRENCE/DOCKET NUMBER: 32,135
REPERRENCE/DOCKET NUMBER: APJ341
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4724 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-404-665-3
```

1047 grindechagahindenedadecehaendekederideringenedadeddagggang 1106 1107 rerdeArgeccaerdcarcreffeAcAccaeracaccedeGaargAcrefrec 1158 947 ggaggagrecregegrergregacarcagegaggegageecagrergee 998 ઠે d ò

987 crec'aeregec'elegeaacritagertreagrectergectecarergeaaegere 1046

827 CTGCCAGAACCATGGACGTCTCAACATCAGCACTGCCACTGCCACTGTCCCCTGGCTA 886

Search completed: September 10, 2004, 19:42:59 Job time : 166 secs

```
Mon Sep 13 10:31:18 2004
```

```
APPLICANI: Filearcif, Ellen
APPLICANI: Geritsen, Mary
APPLICANT: Geritsen, Mary
APPLICANT: Geddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Grimaldi, Christopher
APPLICANT: Grimaldi, Christopher
APPLICANT: Hillan, Kenneth
APPLICANT: Hillan, Kenneth
APPLICANT: Horber, Mary
APPLICANT: Tuma, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND CURRENT PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US/9/866,028
CURRENT PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US/9/866,028
CURRENT PILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 49
LENGTH: 1876
TYPE: DNA
CORGANISM: Home Sapien
US-09-866-028-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1876; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 49, Application US/09866028
Patent No. US20020058309A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ferrara, Mapoleone
Filvaroff, Ellen
Filvaroff, Ellen
Goddard, Audrey
Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Baker, Kevin
Botstein,David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION: APPLICANT: Baker, F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-866-028-49
                                                                                                            September 10, 2004, 19:31:36; Search time 880 Seconds (without alignments) 10726.292 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                      Sequence 49, Sequence 49,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Published Applications NA:*

1: /cgn2 6/ptodata/1/pubpna/Pcr_NEW PUB.seq:*
2: /cgn2_6/ptodata/1/pubpna/Pcr_NEW PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/NEG NEW PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/USO7_NEW PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
11: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
15: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
15: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
16: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
16: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
19: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-866-028-49
US-09-944-449-49
US-09-945-587-49
US-09-944-015-49
US-09-944-05-49
US-09-944-432-49
US-09-944-413-49
US-09-944-654-49
US-09-944-413-49
US-09-944-413-49
US-09-944-413-49
US-09-944-413-49
US-09-944-413-49
                                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                           3304383 segs, 2515761380 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                            OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                               IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                  US-09-944-896-49
1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0
                                                                                                                                                                                                                   Perfect score:
                                                                                                                                                                                                                                                                                 Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database :
                                                                                                                                                                                                                                          Sequence:
                                                                                                                                                                                                                                                                                                                                             Searched:
                                                                                                                   Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Result
```

444 0004444444 000000	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3321
Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence	ecuences sedineuro	sednence sed
US-09-944-944- US-09-944-929- US-09-944-884 US-09-944-884 US-09-943-780 US-09-945-780 US-09-945-780	US-10-677-471-4 US-10-677-471-4 US-10-429-667-4 US-10-042-141-11 US-10-141-11 US-10-269-353-1 US-10-169-395-2 US-10-169-395-2 US-10-169-395-2	0.029 - 3866 - 0.0029
00011111		
7,7,7,7,7,7,7	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	11 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
00000000	00000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	, , , , , , , , , , , , ,	01 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
22222222222222222222222222222222222222	7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ы ш ш ш ш ш ш д д д д д д ш д п п р р р р р р р р р р р р р р р р р

**QQQQ4Q4** 

## ALIGNMENTS

ö

Gaps

ö

Indels

ó

1.1 CONTROLLES CONTROL	1081 ATTACAGACCAGGATGAAATGTCAGAGAAAAGCGGGGGTGCTGGCCCAGATCAAAAGCC 1140	RESULT 2 US-09-944-449-49 ; Sequence 49, Application US/09944449 ; Patent No. US20020102647A1 ; GENERAL INFORMATION: ; APPLICANT: Baker, Kevin ; APPLICANT: Baton, David ; APPLICANT: Eaton, David ; APPLICANT: Filvaroff; Ellen ; APPLICANT: Filvaroff; Ellen ; APPLICANT: Goddard, Paul ; APPLICANT: Goddard, Paul ; APPLICANT: Goddard, Paul ; APPLICANT: Goddard, Christopher ; APPLICANT: Grimaldi, Christopher ; APPLICANT: Grimaldi, Christopher ; APPLICANT: Grimaldi, Christopher ; APPLICANT: Grimaldi, Christopher
CTCTTTTTTTTCCACCAGCCCAGCCTGACTTCCTGAAATTGTGAATAGCTCCATCCA		
and the control of th	CCTTTTGTCCACCAGCCCAGCCTGACTCCTGGAGATTGTGAATAGCTCCATCCA	841 GACGTCTCAACATCAGCACTGCCACTGTCCCCCTGGCTACACGGGCAGATACT [

## APPLICANT RISAMAN TANE

## APPLICANT RISAMAN TANE

## APPLICANT ROLL ROLL RISAMAN TANE

## APPLICANT ROLL ROLL ROLL ROLL RISAMAN

## RICH APPLICANTON NUMBER: 09/06/113

## RICH APPLICANTON NUMBER: 00/06/13/13

## RICH APPLICANTON

PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/USCO/05841
PRIOR FILING DATE: March 2, 2000
PRIOR FILING DATE: March 30, 2000
PRIOR PLING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/USCO/14042
PRIOR APPLICATION NUMBER: PCT/USCO/2010
PRIOR FILING DATE: May 22, 2000
PRIOR FILING DATE: JULY 28, 2000
PRIOR FILING DATE: December 1, 2000
PRIOR PILING DATE: December 1, 2000
PRIOR PILING DATE: Pecamber 1, 2000
PRIOR FILING DATE: Pecamber 1, 2000
PRIOR FILING DATE: Pecamber 1, 2000
PRIOR FILING DATE: February 28, 2001
SEQ ID NO 49
LENGTH: 1876

Gaps 0 DB 9; Length 1876; 0; Indels 100.0%; Score 1876; 100.0%; Pred. No. 0; iive 0; Mismatches Query Match Best Local Similarity 100. Matches 1876; Conservative

; TYPE: DNA ; ORGANISM: Homo Sapien US-09-944-449-49

ö

61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC 120 9 ~

ò

TCCTTGGCACCACCTGGGCAGGGGGGGCACCCCAGCTGCAGGAGCAGGCTCCGATGG 240 181

> qq ò 엄

120

181 TCCTTGGCACCACCTGGGCAGGTGTGGCCACCCCAGCTGCAGCTGCAGGCTCCGATGG 240 

GCTGGGTCCAGCCCCCTGCGGCTGACATGCGGAGGCTGGACTGAGTGACAGCCTGGCCC 301 à Dp

à

ò Ωp

TIGHTH THE TOTAL AND THE TOTAL TTGTTGAAGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAG TGTGGCGCACCTGCAAGTGGAACATGCAGCTGCTGCCGCGGGGCTTGGCGTCCT 481 421 4 8 4 8 6

481

480

541 AGTGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGGGGCCACCTCAAGCC 541 AGTGTTGCTCGCAACGCCACCTGCACCTACACGCAGCTCGTGTGGGGCCACCTCAAGCC AGCTGGGCTGTGGGGCACCTGTGCTCTGCAGGCCAGACAGCGATAGAAGCCTTTGTCT 601 ò 임 8

900

199

Sp · & 721 AGGGTGCCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAAGCCTGGGACC 780

1801 TGTGGGGCAGCGGAGCT	Db 1861 CTGAAAAAAAAA 1876	RESULT 3 US-09-944-457-49 ; Sequence 49, Application US/09944457 ; Parent No. HS20020110859A1	GENERAL INFORMATION:  APPLICANT: Baker, Kevin  APPLICANT: Botsein, David  APPLICANT: Raron David	APPLICANT: EarCon, Dan. ; APPLICANT: Ferrara, Napoleone ; APPLICANT: Filvaroff, Ellen ; APPLICANT: Gerritsen, Mary , APPLICANT: Godfard Andrey	APPLICANT: Godward, Paul ; APPLICANT: Grimaldi, Christopher ; APPLICANT: Grimaldi, Christopher ; APPLICANT: Grimaldi, Christopher ; APPLICANT: Grimaldi, Christopher	APPLICANT: HILAM, Nemmech APPLICANT: Napier, Mary APPLICANT: Napier, Mary APPLICANT: Napier, Mary	AFPLICANI: Idmina, Daniel   AFPLICANI: Idmina, Daniel   TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND   TITLE OF INVENTION: ACIDS ENCODING THE SAME   TITLE OF INVENTION: ACIDS ENCODING THE SAME	; FILE METERALS.E. F.2.90-81. US/09/944,457 ; CURRENT APPLICATION NUMBER: US/09/944,457 ; CURRENT FILING DATE: 2001-09-26 ; FRIOR APPLICATION NUMBER: 09/866,028	FIGH FILING DATE: 20.20.7411  PRIOR FILING DATE: December 3, 1997  ; PRIOR FILING DATE: December 3, 1997  ; PRIOR APPLICATION NUMBER: 60/069,334	FAION FILING DATE: 60/069335; PRIOR FILING DATE: December 11, 1997; PRIOR FILING DATE: NUMBER: 60/069,278; PRIOR APPLICATION NUMBER: 60/069,278	; PRIOR FILING DATE: December 11, 1397 ; PRIOR APPLICATION UNDER: 60/069, 425 ; PRIOR FILING DATE: December 12, 1997 ; PRIOR APPLICATION NUMBER: 60/069, 696	; PALOR TILING DATE: December 10, 1397 ; PRIOR APPLICATION UNWBER: 60/069, 694 ; PRIOR FILING DATE: December 16, 1997 ; PRIOR APPLICATION UNWBER: 60/069, 702	FALOR TILING DAIE: DECEMBEL 17, 1397  PRIOR APPLICATION NUMBER: 60/069,870  ; PRIOR FILING DAIE: December 17, 1997  ; PRIOR APPLICATION NUMBER: 60/069,873	; PRIOR FILING DATE: December 17, 1997 ; PRIOR APPLICATION NUMBER: 60/068,017 ; PRIOR FILING DATE: December 18, 1997 ; PRIOR APPLICATION NUMBER: 60/070,440	; PRIOR FILING DATE: February 9, 1998; PRIOR PELICATION NUMBER: 60/075, 1995; PRIOR FILING DATE: February 25, 1998; PRIOR APPLICATION NUMBER: 60/112,850	FILING DATE: DECEMBER 10, APPLICATION NUMBER: 60/11 APPLICATION NUMBER: 60/14 APPLICATION NUMBER: 60/14	; PRIOR FILING DATE: July 28, 1999 ; PRIOR APPLICATION NUMBER: PCT/US98/19330 ; PRIOR FILING DATE: September 16, 1998
		841 GACGICICAACAICAGCACCIGCCACIGCCACIGCCCCCCGGCIACACGGGCAGAIACT 900	901 GCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGGTTCCGGGAGGAGGAGTGCTCGT 960	961 GCGTCTGTGACATCGGCTACCGGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC 1020	1021 ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACT 1080 1021 ACACCTGTGACCTGAGGATCGACGAGGACCTTCATGGTGTCTTCAGAGGCAGACCT 1080	1081 ATTACAGAGCAGGATGAAATGTCAGAGGAAAGGCGGGGTGCTGGCCCAGATCAAGAGCC 1140 	1141 AGAANGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA 1200	1201 CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260	1261 ACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC 1320	1321 CTGACAACCACGGGCTGGTGGCTGATGTGCTGCCATGGGGTTTGGCAACTGCGTGGAGC 1380	1381 TGCAGGCTTCAGCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA 1440 1381 TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACGGTTACA 1440	1441 TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCCAGGGTCCTGAGGCCTGACCA 1500 1441 TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCTTGACCA 1500	1501 CATGGCTCCCTCGCCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCACCTGTCT 1560			1741 GAAGGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACC 1800 1741 GAAGGAGAACACCCCAGTGGTCAAAAAAGCTGCTCTTCCACTGGCCAGACC 1800	

300 360 180 CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCC 180 240 240 300 420 9 9 CICTITIGE CACCAGCCCAGCCTGAGAATTGTGAATAGCTCCATCCAGCTG CCGGAGCCCTGAACAGGAAGAGATTCTTGCTCCTCTCCCTGCACACACGCCTGCGCA CGGGAGCCCTGAACAGGAAGAGATTCTTGCTCCTCTCCCTGCACACGCCTGCGCA GCTGGGTCCAGCCCCCTGCGGCTGACATGCGGAGGTGGACTGGAGTGACAGCCTGGCCC GCTGGGTCCAGCCCCTGCGGCTGAAATGCGGAAGGCTGGACTGGAGTGAAGTGACAGCCTGGCCC CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCC TCCTTGGCACCTGGGCAGAGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGG AACTGGCTCAAGCCAGGGCAGCCCTCTGTGAATCCCAACCCCGAGCCTGGCATCCGGCC ö Length 1876, Indels DB 9; ö PRIOR APPLICATION NUMBER: PCT/USS8/25108
PRIOR FILING DATE: December 1, 1996
PRIOR FILING DATE: December 16, 1996
PRIOR FILING DATE: December 16, 1998
PRIOR FILING DATE: December 2, 1998
PRIOR FILING DATE: December 2, 1998
PRIOR PRILING DATE: December 2, 1998
PRIOR PRILING DATE: DECEMBER: 09/254.311
PRIOR PELING DATE: DATE: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR PELING DATE: PCT/US99/28313
PRIOR PELING DATE: PCT/US99/28313
PRIOR PELING DATE: PCT/US99/28313
PRIOR PELING DATE: PCT/US99/28313
PRIOR PELING DATE: December 16, 1999
PRIOR PELING DATE: December 16, 1999
PRIOR PELING DATE: PEDTUARY 22, 2000
PRIOR PELING DATE: PEDTUARY 21, 2000
PRIOR PELING DATE: PEDTUARY 22, 2000
PRIOR PELING DATE: MAYCH 3, 2001
PRIOR 30, 30, Query Match 100.0%; Score 1876; Best Local Similarity 100.0%; Pred. No. 0; Matches 1876; Conservative 0; Mismatches ; TYPE: DNA ; ORGANISM: Homo Sapien US-09-944-457-49 121 121 241 181 181 241 301 301 361 8 8 40 yo 8 B 8 \$ 8 \$ Db

480 540 600 600 099 099 720 720 780 780 840 900 960 GCGTCTGTGACATCGGCTACGGGGGGGGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC AACTGGCTCAAGCCAGGCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCC TIGITIGAAGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGGTACAGCCACGCGGCAGGAG 541 AGTGTTGGCAACGCCACCTGCACCCACCACACGCACCTGTGGGCCACCTCAAGCC GTGCCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA AGGGTGCCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAGCCTGGGACC GACGECTCAACATCAGCACCCGCCACTGCCCCCTGGCTACACACGGGCAGATACT TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCTGCCCCCGCGGGCTTGCGTCCT TTGTTGAAGTGGTCAGCCTATGGTTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAG AGTGTGCTCGCAAGCCCACCTGCACCCACTACACGCAGCTCGTGGGCCCACCTCAAGCC AGCTGGCCTGTGGCGCCCCTGTGCTCTGCAGCCAGCAAAGCCTTTGTCT GTGCCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA AGGGTGCTGGGTTTCGCTCTGCACAGCCAGTGTTCAGGCTTCAAAGCCTGGACC GACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCTGGCTACACGGGCAGATACT GCCAAGTGAGGTGCAGCTGCAGTGTGTGCACGGCCGGTTCCGGGAGGAGGAGTGCTCGT 961 GCGTCTGTGACCATCGGCTACGGGGGAGCCCAGTGCGCCACCAAGGTGCATTTTCCCTTCC ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCAGAGGCAGACACCT ATTACAGAGCCAGGATGAAATGTCAGAGGAAAAGGCGGGGTGCTGGCCCAGATCAAGAGCC AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG ACTCCTTCCGCTGGGCCCAGGGGAGCACCAGCCTTCACCAGTTTTGCCTTTTGGGCAGC CTGACAACCACGGGCTGGTGTGGCTGAGTGCTGCCATGGGGTTTGGCAACTGCGTGGGGGGC TGCAGGCTTCAGCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAAACCGGTTACA TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCA CTGACAGTGACTTCGAGGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG ACTCCTTCCGCTGGGGCCACAGGGGAGCACCAGCTTCACCAGTTTTGCGCTTTGGGCAGC CTGACAACCACGGGCTGGTGGCTGAGTGCTGCCATGGGGTTTGGCAACTGCGTGGAGC TGCAGGCTTCAGCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA 841 1081 1141 1141 1261 361 421 481 481 541 601 601 661 721 781 781 841 1021 1201 421 199 721 901 901 961 1021 1081 1201 1261 1321 1381 1321 1381 1441 1441 D D ò 셤 g 원 à ò ò ð g 8 셤 ò 엄 8 g  $\stackrel{>}{\circ}$ 염 장 엄 å å 8 8 8 8 8 d 

```
Length 1876;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
PRIOR APPLICATION NUMBER: 60/1009/909
PRIOR FILING DATE: December 10, 1998
PRIOR APPLICATION NUMBER: 60/113/296
PRIOR APPLICATION NUMBER: 60/113/296
PRIOR APPLICATION NUMBER: 60/113/296
PRIOR FILING DATE: December 10, 1998
PRIOR FILING DATE: December 10, 1998
PRIOR FILING DATE: December 10, 1998
PRIOR FILING DATE: December 11, 1998
PRIOR APPLICATION NUMBER: 60/113/296
PRIOR FILING DATE: December 11, 1998
PRIOR APPLICATION NUMBER: 09/216, 222
PRIOR APPLICATION NUMBER: 09/216, 229
PRIOR APPLICATION NUMBER: 10/2/28/3109
PRIOR APPLICATION NUMBER: 10/2/28/3109
PRIOR APPLICATION NUMBER: 10/2/28/3109
PRIOR FILING DATE: December 11, 1999
PRIOR FILING DATE: December 12, 1999
PRIOR FILING DATE: December 12, 1999
PRIOR FILING DATE: December 12, 1999
PRIOR FILING DATE: PEDFUARY 11, 2000
PRIOR FILING DATE: PEDFUARY 22, 2000
PRIOR PELICATION NUMBER: PCT/US09/00404
PRIOR FILING DATE: PEDFUARY 22, 2000
PRIOR PELICATION NUMBER: PCT/US09/00404
PRIOR FILING DATE: PEDFUARY 22, 2000
PRIOR FILING DATE: DECEMBER: PCT/US09/00404
PRIOR FILING DATE: PEDFUARY 22, 2000
PRIOR FILING DATE: DECEMBER: PCT/US09/00404
PRIOR FILING DATE: PEDFUARY 22, 2000
PRIOR FILING D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
100.0%; Score 1876; DB 9;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1876; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
CORGANISM: Homo Sapien
US-09-945-587-49
                                                                                                                                                                                                                                                                                                                                                                                                        1801 TGTGGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1801 TGIGGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860
                                                 1501 cardecreceredecredecrededaceacedecretecraderederecendence 1560
                                                                                                                                                                             1561 GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGGTCTCAAGACTTGCAC 1620
                                                                                                                                                                                                                                         1681 AGAAGAAGCTGGGCCCTTCGCCTGCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1741 GAAGGAGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAAGACC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1741 GAAGGAGAGACACCGCCAGTGGTCCAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Tunds, Daniel
APPLICANT: Tunds, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2548PLC1
CURRENT APPLICATION NUMBER: US/09/945,587
CURRENT APPLICATION NUMBER: 09/866,028
PRIOR PLILING DATE: 2001-05-26
PRIOR PLILING DATE: December 3, 1997
PRIOR FILING DATE: December 1, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR PLILOATION NUMBER: 60/069,334
PRIOR PLILOATION NUMBER: 60/069,335
PRIOR PLILOATION NUMBER: 60/069,335
PRIOR PLILOATION NUMBER: 60/069,336
PRIOR PLILOATION NUMBER: 60/069,238
PRIOR PLILING DATE: December 11, 1997
PRIOR PLILING DATE: December 11, 1997
PRIOR PLILING DATE: December 11, 1997
PRIOR PLILIATION NUMBER: 60/069,238
PRIOR PLILIATION NUMBER: 60/069,238
PRIOR PLILIATION NUMBER: 60/069,238
PRIOR PLILIATION NUMBER: 60/069,238
PRIOR APPLICATION NUMBER: 60/069,238
                                                                                                                    GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC
1501 CATGGCTCCCTCGCCTGCCCTGGGAGCACCGGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IOR FILING DATE: December 12, 1997
IOR APPLICATION NUMBER: 60/069,696
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 4

JS-09-945-587-49

Sequence 49, Application US/09945587

Patent No. US20020127643A1

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: December 16, 199
APPLICATION NUMBER: 60/069,69
FILING DATE: December 16, 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1861 CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1861 СТСААААААААААА 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 errara, Napoleone
ilvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Roy, Margaret
Tumas, Daniel
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kljavin, Ivar
Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
                                                                                                                       1561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         d
                                                                                                                                                                                                                                                                                                                                                                                                                                a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ठे
```

QY         1141 AGAAAGTGCAGGACATCCTGGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA 1200           Db         1141 AGAAAGTGCAGGACATCCTCGCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA 1200           QY         1201 CTGACAGTGACTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260           Db         1201 CTGACAGTGACTTCGAGAACTTCTGGATCGGGCTCACCTACAAGACGCCCAAGG 1260           QY         1261 ACTCCTTCCGCTGGGCACAGGGAACCAGGCCTTCACCAGTTTTGCGCAGG 1260           Db         1261 ACTCCTTCCGCTGGGCCACAGGGAGCACCAGGCCTTCACCAGTTTTGCGCAGC 1320           Db         1261 ACTCCTTCCGCTGGGCCCACAGGCACCAGGCCCTTCACCAGTTTTGCGCAGC 1320	1 1 1	1441 1501	OY         1561 GGAACAAGGGCAGGTTAAGACCACATGCCTCAAGAAGGTCTCAGACCTGCAC 1620           b         1561 GGAACAAGGGCAGGTTAAGACCACTGCTCCAAGAGGGTCTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACCTTCAGACTTTGCAGAGGAGGAGGCAGGAGGCCAGTGAGTCTT 1620           OY         1621 AATGCCAGAAGTTGGCAGAGAGAGAGAGGAGGAGGCCAGTGAGCCAGGAGTGATGTT 1680           Db         1621 AATGCCAGAAGTTGGGCAGAGAGAGAGAGGAGGAGGCCAGTGAGTG	Qy         1681 AGAAGAAGCTGGGGCCCTTCGCCTGCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740           Db         1681 AGAAGAAGCTGGGGCCCTTCGCCTGCTTTTGATTGGAAGATGGGCTTCAATTAGATGC 1740           Qy         1741 GAAGGAGGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACC 1800           Db         1741 GAAGGAGGACACCGCCAGTGGTCCAAAAAAGCTGCTCTTCCACTGGCCCAGACC 1800           Total GAAGGAGAGCACCGCCAGTGGTCCAAAAAAGCTGCTCTTCCACTGGCCCAGACC 1800	QY         1801 TGTGGGGCAGCGGGGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCG 1860           DD         1801 TGTGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860           QY         1861 CTGAAAAAAAAAAAAAAA 1876           DD         1861 CTGAAAAAAAAAAAAAAA 1876	RESULT 5 US-09-945-015-49 ; Sequence 49, Application US/09945015 ; Patent No. US20020132768A1 ; GENERAL INFORMATION: ; APPLICANT: Baker, Kevin ; APPLICANT: Baterin, David ; APPLICANT: Reston, David	APPLICANT: Ferrara, Mapoleone APPLICANT: Firvaroff, Ellen APPLICANT: Gerritsen, Mary APPLICANT: Goddard, Audrey APPLICANT: Godowski, Paul APPLICANT: Grinaldi, Christopher APPLICANT: Hillan, Kenneth APPLICANT: Kljavin, Ivar APPLICANT: Kljavin, Ivar APPLICANT: Napier, Mary APPLICANT: Napier, Mary APPLICANT: Tumas, Daniel
AGANACAGCGGGTGGCTGAGCTGTGCACGGGCCCTGACGGGCCCAACAGCAGCCCAACAACAAGCCGGGCCCAACAGCAG	racaca recaca recaca recaca	AACTGGCTCAAGCCAGGCAGCTCTGTGGAATCCCAACCCAGGCTGGCATCATCATCATCATCATCATCATCATCATCATCATCATC	481 TTGTTGAAGTGGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGGG 540  481 TTGTTGAAGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGCGCAGGAG 540  541 AGTGTGCTGCAACCCCTATGGTTTGCAGAGGGGCAGCTACAGCCACGCGCACGCGCGCG	rgrcr rgrcr raaga	SGACC SGACC CCATG CCATG	GCCA GCCA GCCA	961 GCGTTGTGACATCGCCTACGGGGAGCCCCACCAAGGTGCATTTCCCTTCC 1020

```
781 ATGCAGGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG 840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Aggereccreererrecercrecacaeccaerercreaecrecricaaaaeccreegaec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GIGCCIACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTGTTGAAGTGGTCAAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGTGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGTGGGCCACCTCAAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         721 AGGGTGCCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAAGCCTGGGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCAGCTGCAGGAGCAGGACTCCAATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      241 CCGGAGCCCTGAACAGGAAGGAGTTTCTTGCTCCTCCCTGCACAACGGCCTGCGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241 CCGGAGCCCTGAACAGGAAGGAGTTTCTTGCTCCTCTCCCTGCACAACGCCTGCGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361 AACTGGCTCAAGCCAGGGCAGCCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               541 AGTGTGCTCGCAACGCGACCTGCACCTACAGGCAGCTCGTGGGGCCACCTCAAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCCCGCGGGGCTTGGCGTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGCTGGGCTGTGGGCGCCTGTGTGCAGGCCAGACAGGGTAGAAGCCTTTGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGCATCTCCTGGCTGTGCTCCTGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           actidadirecadeeececeracagearatacagaagaeragaactigaagigaacageeeee
                                                                                                                                                                                                                                                                                                                                                                                                              Length 1876;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                    DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1876; Conservative 0; Mismatches
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR PILING DATE: May 22, 2000
PRIOR PLING DATE: MJY 28, 2000
PRIOR PLING DATE: July 28, 2000
PRIOR PLING DATE: PCT/US00/32678
PRIOR PLING DATE: December 1, 2000
PRIOR PLING DATE: PEDTUARY 28, 2001
PRIOR PLING DATE: PEDTUARY 28, 2001
NUMBER OF SEQ ID NOS: 120
                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo Sapien
US-09-945-015-49
                                                                                                                                                                                                                                                               SEQ ID NO 49
LENGTH: 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  721
                                                                                                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \stackrel{>}{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                   TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OR FILING DATE: December 1, 1994

OR PILING DATE: December 16, 1996

OR PILING DATE: December 16, 1998

OR APPLICATION NUMBER: 09/216,517

OR FILING DATE: December 22, 1998

OR APPLICATION NUMBER: 09/254,311

OR FILING DATE: March 3, 1999

OR APPLICATION NUMBER: PCT/US99/1252

OR APPLICATION NUMBER: PCT/US99/21090

OR FILING DATE: September 15, 1999

OR APPLICATION NUMBER: PCT/US99/28409

OR FILING DATE: No. US20020132768A1ember 30, 1997

OR PILING DATE: No. US20020132768A1ember 30, 1997

OR PILING DATE: No. US20020132768A1ember 30, 1997

OR PILING DATE: December1, 1999

OR PILING DATE: December1, 1999
                                                                          TITLE OF INVENTION: ACLIDS ENCOLING THE SAME CURRENT APPLICATION NUMBER: US/09/945,015
CURRENT FILING DATE: 2001-09-26
PRIOR PRILING DATE: 2001-09-26
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: December 1, 1997
PRIOR APPLICATION NUMBER: 60/66,334
PRIOR PILING DATE: December 1, 1997
PRIOR PILING DATE: December 1, 1997
PRIOR PILING DATE: December 1, 1997
PRIOR APPLICATION NUMBER: 60/66,425
PRIOR APPLICATION NUMBER: 60/66,425
PRIOR APPLICATION NUMBER: 60/66,425
PRIOR PILING DATE: December 12, 1997
PRIOR PILING DATE: December 12, 1997
PRIOR PILING DATE: December 12, 1997
PRIOR PILING DATE: December 16, 1997
PRIOR PILING DATE: December 16, 1997
PRIOR PILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/66,694
PRIOR PILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/66,937
PRIOR APPLICATION NUMBER: 60/66,937
PRIOR APPLICATION NUMBER: 60/66,937
PRIOR PILING DATE: December 17, 1997
PRIOR PILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/06,946
PRIOR PILING DATE: December 17, 1997
PRIOR PILING DATE: PEDIUARY 9, 1998
PRIOR PILING DATE: FEDIUARY 9, 1998
PRIOR PILING DATE: FEDIUARY 25, 1998
PRIOR PILING DATE: FEDIUARY 25, 1998
PRIOR PILING DATE: FEDIUARY 25, 1998
PRIOR PILING DATE: PEDIUARY 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR PILING DATE: PEDIUARY 25, 1998
PRIOR PILING DATE: PEDIUARY 26, 1998
PRIOR PILING DATE: PEDIUARY 26, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELING DATE: December 16, 1999

R APPLICATION NUMBER: PCT/US00/03565

R FILING DATE: Pebruary 11, 2000

R FILING DATE: Pebruary 22, 2000

R FILING DATE: February 22, 2000

R FILING DATE: Pebruary 22, 2000

R APPLICATION NUMBER: PCT/US00/05841

R APPLICATION NUMBER: PCT/US00/08439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: JULY 28, 1999
APPLICATION NUMBER: PCT/USS8/19330
FILING DATE: September 16, 1998
APPLICATION NUMBER: PCT/USS8/25108
FILING DATE: December 1, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US99/30095
```

9 9

ö

780

780

540

360 420 420 480 480

8 6 6 6 6 6 6 6

음 상 음 6 B 6

90 60 60

```
Sequence 49, Application US/09944396; Patent No. US20020132981A1
GENERAL INFORMATION: APPLICANT: Baker, Kevin APPLICANT: Baker, Kevin APPLICANT: Botstein, David
                                                                                                                                          Ferrara, Mapoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
Hillan, Kenneth
Kljavin, Ivar
Napier, Mary
Roy, Margaret
Tumas, Daniel
         1861 CTGAAAAAAAAAAA 1876
                                                                                                                                  Eaton, Dan
                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
       유
                                                                                                                                                                                           1080
                                                                                                                                                      ATTACAGAGCCAGGATGAAATGTCAGAGGGAAAGGCGGGGTGCTGGCCCAGATCAAGAGCC 1140
                                                                                                                                                                                                                                                     1081 ATTACAGAGCCAGGATGAAATGTCAGAGGAAAGGCGGGGGTGCTGGCCCAGATCAAGAGCC 1140
                                                                                                                                                                                                                                                                                                         CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260
                                                                                                                                                                                                                                                                                                                                                                                        ACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC 1320
                                                                                                                                                                                                                                                                                                                                                                                                        CTGACAACCACGGGCTGGTGGCTGAGTGCTGGCGTTTGGCAACTGCGTGGAGC 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTGACAACCACGGGCTGGTGTGGCTGATGCCCATGGGGTTTGGCAACTGCGTGGAGC 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1381 TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCGGAAACCGTTACA 1440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCA 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA 1440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1561 GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1561 GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1681 AGAAGAAGCTGGGGCCCTTCGCCTGCTTTTGATTGGGAAGATGGGGTTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGTGGGGCAGCGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860
1801 TGTGGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCACGGGTATTAAATTATGAATCAG 1860
                                                                                                    GACGTCTCAACATCAGCACCTGCCACTGCCACTGCCCCTGGCTACACGGGCAGATACT
                                                            841 GACGTCTCAACATCAGCACCTGCCACTGTCCCCCCTGGCTACACGGGCAGATACT
                                                                                                                                                                                                          1141 AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA
                                                                                                                                      GCGTCTGTGACATCGGCGAGGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC
                                                                                                                                                                                       ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CATGGCTCCCTCGCCTGGGAAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1501 CATGGTCCCTCGCCTGCCCTGGGACACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GAAGGAGAGACACCGCCAGTGCTCCAAAAAGGCTGCTCTTTCCACCTGGCCCAGACCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1741 GAAGGAGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTCTTCCACCTGGCCCAGACCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTGAAAAAAAAAAA 1876
                                       841
                                                                                                                                                                                                                                        1081
                                                                                                                                                                                                                                                                                                                 1141
                                                                                                                                                                                                                                                                                                                                                                 1201
                                                                                                                                                                                                                                                                                                                                                                                                                 1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1741 (
                                                                                                              901
                                                                                                                                      196
                                                                                                                                                                                       1021
                                                                                                                                                                                                                                                                                                                                        1201
                                                                                                                                                                                                                                                                                                                                                                                         1261
                                                                                                                                                                                                                                                                                                                                                                                                                                          1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1861
```

qq

8 6

8 %

dd

8 8

ò

d

25 d d d d

ò

ģ 8

TGTGGCGCACCTGCAAGTGGGCTGGAACATGCAGCTGCTGCCGGGGGCTTGGCGTCC TTGTTGAAGTGGTCAAGGCTGGAACATGCAGCGGCAGCGGCGGGGGCTTGGCGTCC TTGTTGAAGTGGTCATGGTTTGCAGAGGGGCAGCGGTACAGCCAGC		
8 6 8 6 8 6 8	6 H 6 H 6 H 6 H 6 H 6 H 6 H 6 H 6 H 6 H	q <sub>0</sub>
PRICE	PRIOR FILLING DATE: FEBLUAY 22, 2000  PRIOR RELIGIO DATE: MARCH 2, 2000  PRIOR RELIGIO DATE: MARCH 20, 2000  PRIOR RELIGIO DATE: MAY 28, 2001  PRIOR FILLIO DATE: MAY 28, 2000  PRIOR F	Oy         361         DACTGGGTCAAGCCAGGGCCTCTGTGGAATCCCAAGCCGGGGTGGGATCGGGCGGG

셤 ઠે g õ 임

g à

ò 셤 ò

```
61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGCATCTCCTGGCTGTGCTCCTGGCCC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 creminatecaccadecerdacrecidadaminataderecarecade
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
PRIOR FILING DATE: BOCEGUEAL 16, 129, 1898
PRIOR FILING DATE: FEBRUARY 9, 1998
PRIOR FILING DATE: FEBRUARY 25, 1998
PRIOR APPLICATION NUMBER: 60/075, 9455
PRIOR APPLICATION NUMBER: 60/12, 260
PRIOR APPLICATION NUMBER: 60/12, 260
PRIOR APPLICATION NUMBER: 60/13, 266
PRIOR APPLICATION NUMBER: 60/13, 266
PRIOR APPLICATION NUMBER: 60/13, 266
PRIOR APPLICATION NUMBER: 60/146, 222
PRIOR PRILING DATE: December 16, 1998
PRIOR PRILING DATE: December 16, 1998
PRIOR PRILING DATE: December 17, 1998
PRIOR PRILING DATE: December 22, 1999
PRIOR PRILING DATE: December 22, 1999
PRIOR PRILING DATE: December 17, 1999
PRIOR PRILING DATE: December 17, 1999
PRIOR PRILING DATE: SEPTEMBER 109/219, 2199
PRIOR PRILING DATE: SEPTEMBER 109/219, 2199
PRIOR PRILING DATE: December 17, 1999
PRIOR PRILING DATE: SEPTEMBER: PCT/US99/28, 311
PRIOR APPLICATION NUMBER: PCT/US99/28, 311
PRIOR APPLICATION NUMBER: PCT/US99/28, 311
PRIOR PRILING DATE: SEPTEMBER: DCT/US99/28, 311
PRIOR PRILING DATE: SEPTEMBER: PCT/US99/28, 311
PRIOR PRILING DATE: SEPTEMBER: PCT/US99/28, 310
PRIOR PRILING DATE: PCCCEMBER: PCT/US99/28, 311
PRIOR PRILING DATE: PADAMERY 11, 2000
PRIOR PRINCE DATE: PADAMERY 11, 2000
PRIOR PRIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 1876; 100.0%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 100.
Matches 1876; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-944-097-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                  GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                 1561 GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                    1681 AGAAGAAGCTGGGGCCCTTCGCCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                              1681 AGAAGAAGCTGGGGCCCCTTCGCCTTTTGATTGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                   GAAGGAGGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                             1741 GAAGGAGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGTGGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Unimes, Lances, Lances, Lances, Mailliam
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERBNCE: P2546PLCI
CURRENT FILING DATE: 2001-08-31
CURRENT FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: 00/866,028
PRIOR APPLICATION NUMBER: 60/669335
PRIOR FILING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PLING DATE: December 12, 1997
PRIOR PLING DATE: December 16, 1997
PRIOR PLING DATE: December 17, 1997
                                                                                                                                        AATGCCAGAAGTTGGGCAGAGAGAGGCAGGGAAGGCCAGGGCCAGGGAAGTGATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 49, Application US/09944097
Patent No. US20020133675A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hillan, Kenneth
Kljavin, Ivar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gurney, Austin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Roy, Margaret
Tumas, Daniel
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 7
US-09-944-097-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                        1621
                                                                                                                                                                                                   1621
                                                                                                                                                                                                                                                                                                                                                                                               1741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
```

ö

ô

Length 1876;

ö

```
#RIOR APPLICATION NUMBER: 09/866.028

#RIOR APLICATION NUMBER: 00/067.411

#RIOR APLICATION NUMBER: 60/067.411

#RIOR APLICATION NUMBER: 60/067.411

#RIOR APLICATION NUMBER: 60/063.334

#RIOR APLICATION NUMBER: 60/063.334

#RIOR APLICATION NUMBER: 60/063.334

#RIOR APLICATION NUMBER: 60/063.334

#RIOR PLINICATION NUMBER: 60/063.334

#RIOR PLINICATION NUMBER: 60/063.234

#
```

120 600 CCATGCTGCATCCAGAGACCTCCCCTGGCGGGGGATCTCCTGGCTGTGCTCTCTGGCCC 180 GCTGGGTCCAGCCCCCTGCGGCTGACATGCGGAGGCTGGACTGGACAGCCTGGCCC 360 420 420 900 720 9 61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCCAGCTGCAGGAGCAGGCTCCGATGG TCCTTGGCACCACCAGGCAGGGGTGTGGCCACCCCAGGCTGCAGGAGCAGGGTTCGGTGG CCGGAGCCCTGAACAGGAGGAGTTTCTTGCTCCTCTCCCTGCACAACCGCCTGCGCA AACTGGCTCAAGCCAGGGCACCTCTGTGGAATCCCAACCCGAGCCTGGCATCCGGCC 541 AGTGTGCTCGCAACGCCACTGCACTACACGCAGCTCGTGTGGGCCCACCTCAAGCC ATGCAGGGGGCTCTCTGTGAGGTCCCCAGGAATCCTTGTCGATGAGCTGCCAGAACCATG 61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC 241 ccedadcccreaacacaacacacacarricrrecrecrecrecrecacacacacacacacaca GCTGGGTCCAGCCCCTGCGGCTGACATGCGGAGGCTGGACTGGACTGACAGCCTGGCCC AACTGGCTCAAGCCAGGCAGCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCC TGTGGCGCACCTGCAAGTGGGCTGGAACATGCAGCTGCTGCTCCCCCGCGGCTTTGCCGTCCT TTGTTGAAGTGGTCAGCCTATGGTTTGCAGAGGGCAGCGGTACAGCCACGCGGCAGGAG AGCTGGGCTGTGGGCGCGCACCTGTGCTCTGCAGGCCAGACAAGCCCTTTGTCT GTGCCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA 721 AGGTGCCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAAGCCTGGGACC GACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTACACGGGCAGATACT GACGTCTCAACATCAGCACCTGCCACTGTCCTCTCTCTCGCTACACGGCAGATACT 1 crcrrrrerccaccagcccagccreactccreaarrergaaragcrccarccagccre TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCCCGCGGGCTTGGCGTCCT AGTGTGCTCGCAACGCCACCTGCACTACACGCAGCTCGTGTGGGCCACCTCAAGCC AGCTGGGCTGTGGCGCCCCTGTGCTCTGCAGGCCAGACAGCGATAGAAGCCTTTGTCT 661 GIGCCIACITCCCCCGGAGGCAACIGGGAGGTCAACGGGAAGACAAICAICCCCIAIAAGA AGGGTGCCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAAGCCTGGGACC ATGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCC Gaps ·, Length 1876; Indels . 0 DB 9; Query Match
100.0%; Score 1876;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1876; Conservative 0; Mismatches 06520 PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/USO1/065
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 49
LENGTH: 1876
TYPE: DNA
ORGANISM: Homo Sapien US-09-944-432-49 121 181 481 121 181 241 301 361 421 601 301 361 421 481 541 601 199 781 781 841 841 721 ଚ g g à à 셤 ò ò qq à 셤 ò ö 엄 ð g à q à 8 g 셤 ઠે

ć	פ איין איין איין איין איין איין איין איי	; Patent No. US20020142958A1
g S	901 GCCAAGTGAGGTGCAGCCTGCAGTGTGCCAGGCCGGTTCCGGAGGAGGAGGAGTGCTGGT 960 901 GCCAAGTGAGGCGAGCGCGGTGCAGGGCGGTTCCGGGAGGAGGAGGGTGCTGT 960	; GENERAL INFORMATION: ; APPLICANT: Baker: Kevin ; APPLICANT: Botstein, David APPLICANT: Fator Dar
දු පු	961 GCGTCTGTGACATCGGCTACGGGGGGGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC 1020	APPLICANT: Bacol, Dan. ; APPLICANT: Ferrara, Napoleone ; APPLICANT: Filvaroff, Ellen ; APPLICANT: Gerritsen, Mary
ઠે લ	1021 ACACCTGRGACCTGAGGATCGACGGGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCT 1080	, APPLICANT: Goddard, Audrey , APPLICANT: Goddwski, Paul , APPLICANT: Grimaldi, Christopher , APPLICANT: Gurney, Austin
8 6 A	ATTACAG        ATTACAG	; APPLICANT: Hillan, Kenneth ; APPLICANT: Kljavin, Ivar ; APPLICANT: Napier, Mary ; APPLICANT: ROY, Margaret
oy Dp	agaaagt         agaaagt	; APPLICANT: Tunas, bantel ; APPLICANT: Tunas, william ; TITLE OF INVENTION: SECRETED AND ; TITLE OF INVENTION: ACIDS ENCODI
ර සි	1201 CTGACAGTGACTTCGAGAACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260 	; FILE KEFERENCE: 12348ER: US/00; ; CURRENT FPILING DATE: 2001-09-26; ; PRIOR APPLICATION NUMBER: 09/866,
8 S		PRIOR FILING DATE: 2001-05-26, PRIOR PLING DATE: 2001-05-26, PRIOR APPLICATION NUMBER: 60/069, PRIOR PRILAMBLES: 60/069, PRIOR PRINGESTON NUMBER: 60/069, PRIOR APPLICATION NUMBER: 60/069, PRIOR PRINGESTON NUMBER: 60/069, PRINGESTON
<b>ે</b> લે	1321 CTGACAACGAGGGTGGTGGCTGAGTGCTGCCATGGGGTTTGGCAACTGCGGGAGC 1380 	PRIOR FILING DATE: December 11, PRIOR FILING DATE: December 11, PRIOR FILING DATE: December 11, PRIOR APPLICATION NUMBER: 60/069,
<i>〉</i> 점	1381 TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA 1440 	PRIOR FILING DAIE: December 11, PRIOR PLING DAIE: December 12, PRIOR FILING DATE: December 12, PRIOR APPLICATION NUMBER: 60/069,
, & a	TCTGCCA         TCTGCCA	FILOK PILLING DATE: DECEMBET 19, PRIOR APPLICATION NUMBER: 60/069, PRIOR FILING DATE: December 16, PRIOR PPLICATION NUMBER: 60/069,
දු දු		PRIOR FILING DATE: December 15, PRIOR PLICATION NUMBER: 60/069, PRIOR FILING DATE: December 17, PRIOR APPLICATION NUMBER: 60/069, PRIOR APPLICATION NUMBER: 60/069
상 원	1561 GGAACAAGGGCCAGGTTAAGACCACGTGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620 	PRIOR FILING DATE: December 1, PRIOR PILING DATE: December 1, PRIOR APPLICATION NUMBER: 60/070, PRIOR APPLICATION NUMBER: 60/070
\$ <del>8</del>	AATGCCA         AATGCCA	FRIOR FILING DAIE: Jahuary 5, 13; PRIOR APPLICATION NUMBER: 60/074 PRIOR FILING DATE: February 9, 11; PRIOR APPLICATION NUMBER: 60/074
දු පු	1681 AGAAGAAGCTGGGCCTTCGCCTGTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740 	PRIOR FILING DATE: FEDURATY 9, 11, 12, 12, 13, 14, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15
\$ 8 8	1741 GAAGGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800 1741 GAAGGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800	FILON TAILNO DATE: DECEMBER 19, PRIOR APPLICATION NUMBER: 60/113, PRIOR FILING DATE: December 22, PRIOR PELING NUMBER: 60/146, PRIOR APPLICATION NUMBER: 60/146
Qy Dp	1801 TGTGGGGCAGCGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860 	FILOR APPLICATION NUMBER: PCT/US, PRIOR PILING DATE: September 16, PRIOR PILING DATE: September 16, PRIOR PELICATION NUMBER: PCT/US, PRIOR PTITING NUMBER: PCT/US
yy da	1861 CTGAAAAAAAAA 1876                 1861 CTGAAAAAAA 1876	FILOR APPLICATION UNDER: USGRUMEL 1, 1, 1, 1, PRIOR APPLICATION NUMBER: 09/216; PRIOR FILING DATE: December 16, 1; PRIOR PELICATION NUMBER: 09/218  DELOP PILING DATE: December 22, 1910 PRIOR PRIOR DATE: December 22, 1910 PRIOR P
		PRIOR FILLING DAID: DECEMBLY 22, PRIOR APPLICATION NUMBER: 09/254 PRIOR DILING DAME, March 3 1999

RESULT 9 US-09-943-762-49 ; Sequence 49, Application US/09943762

APPLICANT: Betton, Dan Applicant Applicant Betton, Dan B

99

009

099 720 780

780

900

960

720

```
AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGGGA 1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GCGTCTGTGACATCGGCTACGGGGGGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CATGGCTCCCTCGCCTGCCCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGGTTCCGGGAGGAGGAGGAGGAGGTGCTCGT 960
                                                                                                                                                                                    GTGCCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA
                   AGTGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGGGGCCCACCTCAAGCC
                                           AGTGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGGCCACCTCAAGCC
                                                                                                                     AGCTGGGCTGTGGGCGGCACCTGTGCTCTGCAGGCCAGACAGCGGATAGAAGCCTTTGTCT
                                                                                                                                                                   GTGCCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA
                                                                                                                                                                                                                                         AGGGTGCCTGGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAAGCCTGGGACC
                                                                                                                                                                                                                                                               AGGGGCCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAGCCTGGGACC
                                                                                                                                                                                                                                                                                                                  ATGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG
                                                                                                                                                                                                                                                                                                                                         GACGTCTCAACATCAGCACCTGCCACTGCCCACTGTCCCCCTGGCTACACCGGGAGATACT
                                                                                                                                                                                                                                                                                                                                                                                                                          841 GACGICICAACAICAGCACCIGCCACIGCCACIGICCCCCIGGCIACACGGGCAGAIACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 961 GCGTCTGTGACATCGGCTACGGGGGGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1081 ATTACAGAGCCAGGATGAAATGTCAGAGGAAAGGCGGGGGTGCTGGCCCAGATCAAGAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCACAAAGACCGCCAAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACTCCTTCCGCTGGGCCACAGGGAACACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTGACAACCACGGGCTGGTGTGGCTGAGTGCTGCCATGGGGTTTGGCAACTGCGTGGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGGTCTCAGACCTTGCAC
                                                                                          AGCTGGGCGCGCGCACCTGTGCTCTGCAGGCCAGAGGCGATAGAAGCCTTTGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCCAAGTGAGGTGCAGGCTGCAGTGTGTGCACGGCCGGTTCCCGGGAGGAGGAGTGCTCGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTGACAACCACGGGCTGGTGTGGCTGAGTGCTGCCATGGGGGTTTGGCAACTGCGTGGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCCAGGGTCCTGAGGCCTGACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1441 TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCCAGGGTCCTGAGGCCTGACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGAACAAGGGCCAGGTTAAGACCACATGCCTCAAAGAGGTCTCAGACCTTGCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AATGCCAGAAGTTGGCCAGAGAGAGGCAGGGAGGCCAGTGAGGGCCAGGGAGTGTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTACAGAGCCAGGATGAAATGTCAGAGGAAAAGGCGGGGTGCTGGCCCCAGATCAAGAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   careecreecreecreecereeaacaceecreecreerracerereeceaecreere
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1261
                                                                                                                                                                                                    661
                                                                                                                                                                                                                                         721
                                                                                                                                                                                                                                                                           721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1141
                   541
                                                     541
                                                                                          601
                                                                                                                           601
                                                                                                                                                                 661
                                                                                                                                                                                                                                                                                                                  781
                                                                                                                                                                                                                                                                                                                                                                                         841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1561
                                               음
                                                                                        8 8
                                                                                                                                                             8
                                                                                                                                                                                          ద
                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                             Dp
                                                                                                                                                                                                                                                                                                                                                                                     δ
                                                                                                                                                                                                                                                                                                                                                                                                                    엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 8 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  면 상 명
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 8 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Вb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGANACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGTCTCCTGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCCAGCTGCAGGAGCAGGAGCTCCGATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CCGGAGCCCTGAACAGGAAGGAGGAGTTCTTGCTCCTCCCCTGCACAACCGCCTGCGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCTGGGTCCAGCCCCTGCGGCTGACATGCGGAGGCTGGACTGGAGTGACAGCTGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TIGLITIANGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCGGAGCCCTGAACAGGAAGGAGTTTCTTGCTCCTCTCCCTGCACAACCGCCTGCGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCCCGCGGGGCTTGGCGTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCTGCCCCCGCGGGCTTGGCGTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTGTTGAAGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCCTTGGCACCACCTGGGCAGGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AACTGGCTCAAGCCAGGCCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1876;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                      1999
                                                                                                          1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR FILING DATE: September 15, 1999
PRIOR FILING DATE: NO. US20020142958Alember 30, 199
PRIOR PLING DATE: NO. US20020142958Alember 30, 199
PRIOR PELING DATE: NO. US20020142958Alember 30, 199
PRIOR FILING DATE: NO. US20020142958Alember 30, 199
PRIOR FILING DATE: December1, 1999
PRIOR PELICATION NUMBER: PCT/US99/30095
PRIOR PELICATION NUMBER: PCT/US00/03665
PRIOR PELICATION NUMBER: PCT/US00/0414
PRIOR FILING DATE: Pebruary 11, 2000
PRIOR PELICATION NUMBER: PCT/US00/06841
PRIOR PELING DATE: March 2, 2000
PRIOR PELING DATE: March 2, 2000
PRIOR PELING DATE: March 30, 2000
PRIOR PELING DATE: March 30, 2000
PRIOR PELING DATE: March 30, 2000
PRIOR PELING DATE: March 2, 2000
PRIOR PELING DATE: PCT/US00/2678
PRIOR PELING DATE: PCT/US00/2678
PRIOR PELING DATE: PERSON 1000
PRIOR PELING DATE: PERSON 1000
PRIOR PELING DATE: PERSON 1000
PRIOR PRIOR PELING DATE: PERSON 20, 2000
PRIOR PELING DATE: PERSON 20, 2000
PRIOR PELING DATE: PERSON 20, 2000
PRIOR PELING DATE: PERSON 20, 2001
PRIOR PERSON 20, 2001
PRIOR PERSON 20, 2001
PRIOR PERSON 20, 2001
PRIOR PERSON 20, 2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1876; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
CORGANISM: Homo Sapien
US-09-943-762-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          상
임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8 B 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \stackrel{>}{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
```

1080

1260

1320 1320 1440

1380

```
61 AGAAACAAGCCGGGTGGCTGAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 AGADACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121 ccanderactarccadadacrecerradecadadadarerecerraderacrecidenees 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181 TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGCCATCTCCTGGCTGTGCTCCTGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 creminerecaceaceasecreacicaserecissasingraanagerecarease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1876;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                               PRIOR AFFLICATION NUMBER: 60/015,945
PRIOR APPLICATION NUMBER: 60/105,945
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: Pebruary 25, 1998
PRIOR FILING DATE: December 16, 1998
PRIOR PELING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: POT/10598/25108
PRIOR PELING DATE: December 1, 1998
PRIOR FILING DATE: December 12, 1998
PRIOR FILING DATE: December 12, 1998
PRIOR FILING DATE: December 1, 1998
PRIOR FILING DATE: December 1, 1998
PRIOR FILING DATE: December 1, 1999
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR FILING DATE: December 15, 1999
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR FILING DATE: NO US2020142955Alember 30, 1999
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR PELIOATION NUMBER: POT/10599/28419
PRIOR PELIOA DATE: NO UNBER: POT/10590/05414
PRIOR PELIOA DATE: NO UNBER: POT/10500/05414
PRIOR PELIOA DATE: NO UNBER: POT/10500/05414
PRIOR PELIOA DATE: NO UNBER: POT/10500/05414
PRIOR PELICATION NUMBER: POT/10500/05414
PRIOR PELIOA DATE: NO NUMBER: POT/10500/05414
PRIOR PELIOA DATE: PEDRUARY 11, 2000
PRIOR APPLICATION NUMBER: POT/10500/0560
PRIOR PELIOA DATE: PEDRUARY 20, 2000
PRIOR PELIOA DATE: PEDRUARY 20,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 1876; I
100.0%; Pred. No. 0;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 1876; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , ORGANISM: Homo Sapien
US-09-944-654-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠ
                                                                                                                                                   AFFLICANI:
MAFFLIANI:
MAFFLIANI:
MOCO, WILLIAGU

TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: PZ648PLCI
CURRENT PAPPLICATION NUMBER: US/09/944,654
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: US/866,028
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: December 3, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PILING DATE: December 12, 1997
PRIOR PILING DATE: December 16, 1997
1681 AGAAGAAGCTGGGCCCTTCGCCTGCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                               1741 GAAGGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTCTTCTACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                             1801 TGTGGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCCACGGGGTATTAAATTATGAATCAG 1860
                                                                                                                                                                                                                                                                                                                                                                                                                1801 IGTGGGGCGGGGGGGCTTCCCTGTGGGCTGAACCCCACGGGGTATTAAATTATGAATCAG 1860
                                                                                                                                                                                                                                 1741 GAAGGAGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IOR FILING DATE: December 18, 1997
IOR APPLICATION NUMBER: 60/070,440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: January 5, 1998
APPLICATION NUMBER: 60/074,086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 49, Application US/09944654
Patent No. US20020142959A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IOR APPLICATION NUMBER: 60/068,01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1861 CTGAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1861 CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ferrara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Filvaroff, Ellen
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ljavin, Ivar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Napier, Mary
Roy, Margaret
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 10
US-09-944-654-49
                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                              엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                 8
```

ô

Gaps 0;

```
PRICOR FILLING DAMES: 60/69.334
PRICOR FILLING DAMES: 60/69.315
PRICOR FILLING DAME: December 11, 1997
PRICOR FILLING DAME: December 16, 1997
PRICOR FILLING DAME: December 17, 1997
PRICOR FILLING DAME: December 17, 1997
PRICOR PRICOR WINDER: C0/69, 1997
PRICOR PRICOR WINDER: C0/69, 1997
PRICOR PRILING DAME: December 17, 1997
PRICOR PRILING DAME: PEDITURY WINDER: C0/71, 04
PRICOR PRILING DAME: PEDITURY WINDER: C0/71, 04
PRICOR PRILING DAME: PEDITURY WINDER: C0/71, 04
PRICOR PRILING DAME: PEDITURY WINDER: C0/71, 09
PRICOR PRILING DAME: PEDITURY DAME: PEDITURY
```

```
301 GCTGGGTCCAGCCCCTGCGGGCTGACATGCGGAGGCTGGACTGGAGTGACAGCCTGGCC 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           960
                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              421 TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCCGCGGGGCTTGGCGTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TIGITIGAAGTGGTCGACGAATGGTTTGCAGAGGGCAGCGGTACAGCCACGCGGCAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GTGCCTACTCCCCCGGAGGCAACTGGGAGGCAACGGGAAGACAATCATCCCCTATAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  661 GTGCCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           781 ATGCAGGGGGCTCTGTGAGGTCCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  841 GACGTCTCAACATCAGCACCTGCCACTGTCCCCCTGGCTACACGGGCCACTACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCCAGCTGCAGGAGCAGGCTCCGATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241 CCGGAGCCCTGAACAGGAAGGAGTTTCTTGCTCCTCTCCCTGCACAACCGCCTGCGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241 ceggagecergaacaggaaggaggriitriigereerereeggegagaggegege
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        361 AACTGGCTCAAGGCCAGGCCCTCTGTGGAATCCCCAACCCCGAGCCTGGCATCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          361 AACTGGCTCAAGCCCAGGCAGCCCTCTGTGGAATCCCAACCCGAGCCTGGCATCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 481 Trefreaagregreaccrafectricerrecagedagescacesiacasccaces
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGTGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGGCCACCTCAAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         601 AGCTGGGCTGTGGGCGCCTCTGTGCTCTGCAGGCCAGCGATAGAAGCCTTTGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     781 ATGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG
                                                                                                                                                                                                                                                                                                                  1 CICITITGICCACCAGCCCAGCCTGACTCCTGGAGAITGTGAAIAGCTCCATCCAGCCTG
                                                                                                                                                                                                                                                                                                                                                                                    1 creminarceaceaeceaecereaerecressasimeres ana caractas de contra contra
                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCATECTGCATCCAGAGACCTCCCTGGCCGGGGCATCTCCTGGCTGTGCTCCTGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            301 GCTGGGTCCAGCCCCTGCGGCTGACATGCGGAGGCTGGACTGGAGTGACAGCCTGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGGGTGCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAAGCCTGGGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCCGGGGCTTGGCGTCCT
                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                                                      Length 1876;
                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                          DB 9;
                                                                                                                                                                                      Query Match
100.0%; Score 1876; I
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1876; Conservative 0; Mismatches
                                                                                         ORGANISM: Homo Sapien
                                                                                                                               US-09-943-851A-49
SEQ ID NO 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       481 '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \overset{\diamond}{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
```

```
APPLICANT PLICATE STATEMENT APPLICATE STATEMENT APPLICATE STATEMENT APPLICATE CATALGEMENT 
Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                 1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1560
                        ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCT 1080
                                                                                                                                                                                                                                                                                                                                                        CTGACAGTGACTTCGAGACCTCCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CATGGCTCCCTCGCCTGCGCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1561 GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AATGCCAGAAGTTGGGCAGAGAGAGGCAGGGAGGCCAGTGAGGGCCAGGGAGGAGTGTT 1680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGAAGAAGCTGGGGCCCTTCGCCTGCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1681 AGAAGATGGGGGCCCTTCGCCTGCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAAGGAGAGACACCGCCAGTGGTCCAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCT 1080
                                                                                                                                                                                                      ATTACAGAGCCAGGATGAAATGTCAGAGGAAAAGGCGGGGGTGCTGGCCCAGATCAAGAGCC 1140
                                                                                                                                                                                                                                                                                                                              CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260
                                                                                                                                                                                                                                                                                                                                                                                                               ACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTGACAACCACGGGCTGGTGTGGCTGAGTGCTGCCATGGGGTTTGGCAACTGCGTGGAGC 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGACAACCACGGGCTGGTGTGGCTGACTGCCATGGGGTTTGGCAACTGCGTGGAGC 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCA 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1741 GAAGGAGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGTGGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860
  GOGTOTGTGACATCGGCTACGGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC
                                                                                                                                                                 ATTACAGAGCCAGGATGAAATGTCAGAGAAAGGCGGGGTGCTGGCCCAGATCAAGAGCC
                                                                                                                                                                                                                                                                          AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGGAAACCGTTACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CATGGCTCCCTCGCCTGCCCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT
                                                                                                                                                                                                                                                AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 12
US-09-944-413-49
                                                                                                                     1021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1381
                                                                              1021
                                                                                                                                                               1081
                                                                                                                                                                                                      1081
                                                                                                                                                                                                                                                1141
                                                                                                                                                                                                                                                                                     1141
                                                                                                                                                                                                                                                                                                                                                                     1201
                                                                                                                                                                                                                                                                                                                                                                                                               1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1861
  961
                                         961
                                                                                                                                                                                                                                                                                                                              1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1621
                                                                              8 8
                                                                                                                                                음 성 음 성
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              쉽
                                                                                                                                                                                                                                                                                                                          \delta
                                                                                                                                                                                                                                                                                                                                                          Db
                                                                                                                                                                                                                                                                                                                                                                                                  \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \dot{\delta}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \dot{\delta}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
```

Sequence 49, Application US/09944413
Patent No. US20020156004A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David

AGCTGGGCTGTGGGCGCCCTGTGCTCTGCAGGCCAGACGGTAAGAAGCCTTTGTCT	721 AGGGTGCCTGGTGTCGCTGCACAGCCAGTGTCTCAGGCTGCTTCAAGGCTGGGACC 780 781 ATGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG 840 781 ATGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG 840 841 GACGTCTCAACATCAGCACTGCCACTGTCCCCTGGCTACACGGGCAGAATACT 900 841 GACGTCTCAACATCAGCACCTGCCACTGTCCCCTGGCTACACGGGCAGATACT 900 841 GACGTCTCAACATCAGCACCTGCCACTGTCCCCTGGCTACACGGGCAGATACT 900 841 GACGTCTCAACATCAGCACCTGCCACTGTCCCCTGGCTACACGGGCAGATACT 900		1021   ACACTGTGACCTGACGACGACGACTCTTCATGGTGTTCTTCAGGGGAGACACTT   1080	1141 AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACACCAACGAGGTGA 1200 1141 AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACACCACCAACGAGGTGA 1200 1201 CTGACAGTGACTTCGAGACTTCTGGATCGGGCTCACTACAAGACGCCCAAGG 1260 1201 CTGACAGTGACTTCGAACCTAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260 1201 CTGACAGTGACTTCGAAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260	1261 ACTCCTTCCGCTGGGCCACAGGGAGCACCCAGGCTTCACCAGTTTTGCCTTTGGGCAGC	1381 TGCAGGCTTCAGCTGCCTTCAACTGGAACGACGGCTGCAAAACCGGAAACCGTTACA 1446 1381 TGCAGGCTTCAGCTTCAACTGGAACGACCGCTGCAAAACCGGAAACCGTTACA 1446 1441 TCTGCCAGTTTGCCCAGGAGCACTTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCGTTACA 1500 1441 TCTGCCAGTTTGCCCAGGACCACTTCCCGGTGGGGCCCAGGTCCTGAGGCCTGACCA 1500 1441 TCTGCCAGTTTGCCCAGGACCACTTCCCCGGTGGGGCCCAGGGTCTTGAGGCCTGACCA 1500	1501 CATGGCTCCCTGGCAGAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT	1621 AATGCCAGAAGTTGGGCAAGAGAGCAGGGAGGCCAGTGAGGGCCAGGAGTGAGT
88888	8 & 8 & 8	6666	8 8 8	& Q & Q	6 6 6 6	8 6 6	8 8 8	\$ A \$
PRIOR APPLICATION NUMBER: PCT/US99/28313  PRIOR FILING DATE: No. US20020156004Alember 30, 1999  PRIOR FILING DATE: No. US20020156004Alember 30, 1999  PRIOR PILING DATE: December1, 1999  PRIOR PELING DATE: December 16, 1999  PRIOR PILING DATE: December 16, 1999  PRIOR PILING DATE: Percent 16, 1999  PRIOR FILING DATE: Pebruary 11, 2000  PRIOR FILING DATE: Pebruary 21, 2000  PRIOR FILING DATE: Pebruary 22, 2000	PRI PRI PRI PRI PRI	PRI PRI PRI NUM SEQ LE LE OR OR	Query Match Best Local Similarity 100.0%; Pred. No. 0; Matches 1876; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  Qy 1 CTCTTTGTCCACCAGCCTGACTCCTGGAGATTGTGAATAGCTCCATCCA	61 AGAACAAGCCGGGTGGCTGAGCTGTGCACGGAGCACCTGACGGCCCAACAGA 61 AGAAACAAGCCGGTGGCTGAGCCTGTGCACGGACCTGACGGCCCCAACAGA 61 AGAACAAGCCGGGTGAGCCAGGCTGTGCACGGAGCACCTGACGGCCCCAACAGAC 121 CCATGCTGCATCCAGAGCTCCCCTGGCCGGGGCCATCTCTGGCTGTGCTCCTGGCCCTGGCCCTGGCCCTGGCCCTGGCCCTGGCCCTGGCCTGTGCTTCTT	181 TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCAGCTGCAGGAGGCTCCGATGG  181 TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCCAGCTGCAGGCTCCGATGG  181 CCCTTGGCACCTCGGGCAGAGGTGTGGCCACCCCCAGCTGCAGGCTCCGATGG  241 CCGAACCCTGAAAAAAGGAAGAAAATCTTGCTCCTTCCCTGCACACCCCTGCGCA  241 CCGAACCCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	301 GCTGGGTCCACCCCTGCGGCTGACATGCGGAGGCTGGACTGGAGTGACAGCCTGGCCCCCCCC	421 TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCCGAACCCGGGGCTTGGGGTCCTGGGGCTTGGCGTCCTTGGCGTCCTTGGCGTCCTTGGCGTCCTTGGCGTCCTTGGCGTCCTTGGCGTCCTTGCTGC	DB 481 TGTIGAAGIGGTCAGCCTAIGGTTIGCAGAGGGGCAGCGGTAAGCCAGGGAGAGAGAGAGAGAGA

```
CCATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 AGABACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241 CCGGAGCCCTGAACAGGAAGGAGTTTCTTGCTCCTCTCCCTGCACAACCGCCTGCGCA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCCTTGGCACCACCTGGGCAGGGGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 crcitificaccaccaccasccreactcreagairereaatascreatcasccre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cearderacearceaegacerecereseesasaearcaeerseerseereceesee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           181 TCCTTGGCACCACCTGGGCAGGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1876;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
PRIOR FILING DATE: February 25, 1998
PRIOR PELICATION NUMBER: 60/113,266
PRIOR FILING DATE: December 16, 1998
PRIOR PILING DATE: December 22, 1998
PRIOR PILING DATE: December 22, 1998
PRIOR PILING DATE: JULY 28, 1999
PRIOR PILING DATE: JULY 28, 1999
PRIOR PILING DATE: JULY 28, 1999
PRIOR PILING DATE: December 16, 1998
PRIOR PELING DATE: December 16, 1998
PRIOR PELING DATE: December 17, 1999
PRIOR PELING DATE: PERLAY, 1999
PRIOR PELING DATE: PERLAY, 1999
PRIOR PELING DATE: PERLAY, 19, 2000
PRIOR PELING DATE: PERLAY, 11, 2000
PRIOR APPLICATION NUMBER: PCT/US09/0365
PRIOR PELING DATE: PERLAY, 11, 2000
PRIOR APPLICATION NUMBER: PCT/US09/0365
PRIOR PELING DATE: PERLAY, 11, 2000
PRIOR APPLICATION NUMBER: PCT/US09/0365
PRIOR PELING DATE: PERLAY, 11, 2000
PRIOR APPLICATION NUMBER: PCT/US09/0369
PRIOR PELING DATE: MARCH 30, 2000
PRIOR APPLICATION NUMBER: PCT/US09/0369
PRIOR PELING DATE: MARCH 30, 2000
PRIOR APPLICATION NUMBER: PCT/US09/0369
PRIOR PELING DATE: MARCH 30, 2000
PRIOR APPLICATION NUMBER: PCT/US09/0369
PRIOR PELING DATE: DECEMBER: PCT/US09/0369
PRIOR PELING DATE: DECEMBER: PCT/US09/0369
PRIOR PELING DATE: PE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 1876;
.larity 100.0%; Pred. No. 0;
Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 1876; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-944-403-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
      GAAGGAGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                  TGTGGGGCAGCGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860
                                                                                                                                                                                                                                                                    reregegeaccacegacriccereregearcacecacegegerarraaarrargaarcae 1860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICAWY: Winds, Daniel
APPLICAWY: Wood, William
TITLE OF INVENTYON: SECRETED AND TRANSMEMBRANE POLYBEPTIDES AND NUCLEIC
FILE REFERENCE: P2542B1C1
CURRENT APPLICATION NUMBER: US/09/944,403
CURRENT APPLICATION NUMBER: US/09/06,028
PRIOR APPLICATION NUMBER: US/06/06/11
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 06/06/334
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/06/328
PRIOR APPLICATION NUMBER: 60/06/369
PRIOR PILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/06/369
PRIOR APPLICATION NUMBER: 60/06/369
PRIOR PILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/06/369
PRIOR PILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/06/369
PRIOR PILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/06/309
PRIOR PILING DATE: December 17, 1997
PRIOR PILING DATE: December 18, 1997
PRIOR PILING DATE: December 18, 1997
PRIOR PILING DATE: December 18, 1997
PRIOR PILING DATE: PEDENCENTY 9, 1998
PRIOR PILING DATE: PEDENCENTY 9, 1998
PRIOR PILING DATE: PEDILATION NUMBER: 60/06/406
PRIOR FILING DATE: PEDILATION NUMBER: 60/074, 408
PRIOR PELLING DATE: PEDILATION NUMBER: 60/074, 408
PRIOR PELLING DATE: PEDILATION NUMBER: 60/074, 408
PRIOR PELLING DATE: PEDILATION NUMBER: 60/075, 945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 13
US-09-944-403-49
Sequence 49, Application US/09944403
Patent No. US20020165143A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                  CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                          CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ilvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Baker, Kevin
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kljavin, Ivar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Napier, Mary
                                     1681
                                                                                                                                                                                                                                                                       1801
                                                                                                                                                                                                                                                                                                                                                                                       1861
                                                                                                1741
                                                                                                                                                       1741
                                                                                                                                                                                                               1801
                                                                                                                                                                                                                                                                                                                                  1861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT
                                                                                                                                                                                                                                                                 g
                                     g
                                                                                                ò
                                                                                                                                                    9
                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                          임
```

ö

0

120

1321 CTGACAACCACGGGCTGGTGTGGCTGAGTGCTGCCATGGGGCTTTGGCAACTGCGTGGAGC  1381 TGCAGGCTTCAGCTGCTTCAACTGGAACGACGCGTGCAAACCGGAAACCGTTACA  1381 TGCAGGCTTCAGCTGCTTCAACTGGAACGACGAGGCTGCAAACCGGAAACCGTTACA  1381 TGCAGGCTTCAGCTGCAGCATTCCCGGTGGGCCTGCAAACCGGAAACCGTTACA  1441 TCTGCCAGTTTGCCCAGGAACCACTCTCCCGGTGGGCCCCAAACCGAAACCGTTACA  1441 TCTGCCAGTTTGCCCAGGAACCACTCTCCCGGTGGGCCCCAAACCGTTACA  1501 CATGGCTCCTCGCCTGGGAACCACTCTCCCGGTGGGCCCCACTGTCT  1501 CATGGCTCCTCGCCTGGGAACCACGGCTCTGCTTACCTGCCCCCCTGTCT  1501 CATGGCTCCCTCGCCTGGGAACCACGGCTCTGCTTAACTGCTGCCCCACTGTCT  1501 CATGGCTCCCTCGCCTGGGAACCACGGCTCTGCTTAACTGCCCCCCCTGTCT  1501 CATGGCTCCCTCGCCTGGGAACCACGGCTCTTAACTGCTCTGCCCCACTGTCT  1501 CATGGCTCCCTCGCCTGGGAACCACGGCTCTTAACTGCTCTCTCT		RESULT 14  US-09-94-886-49  IS-09-94-886-49  Sequence 49, Application US/09944896  Patent No. US2020168715A1  GENERAL INFORMATION: APPLICANT: Beterin, David APPLICANT: Beterin, David APPLICANT: Beterin, David APPLICANT: Gerriteen, March APPLICANT: Gerriteen, March APPLICANT: Gerriteen, March APPLICANT: Gerimaidi, Christopher APPLICANT: Gerimaidi, Christopher APPLICANT: Gerimaidi, Christopher APPLICANT: Grimaidi, Christopher APPLICANT: Grimaidi, Christopher APPLICANT: Grimaidi, Christopher APPLICANT: Kljavin, Var APPLICANT: Kljavin, Var APPLICANT: Kljavin, Var APPLICANT: Nagazet APPLICANT: Nagazet APPLICANT: Nagazet APPLICANT: Node, William TITLE OF INVENTION: SECRETED AND TRANSMENBRANE POLYPEPTIDES AND NUCLEIC CURRENT APPLICATION NUMBER: US/09/944,896 CURRENT APPLICATION NUMBER: 09/866,028 PRIOR FILING DATE: 2001-08-31 PRIOR APPLICATION NUMBER: 60/069,334 PRIOR FILING DATE: December 11, 1997
	481 TTGTTGAAGTGGCAAGGGTTTGCAAAGGGGCAAGCGGTACAGCCAGGAGGGGGAGGAGGAGGTTTGTTGAAGTTTGCAAAGGGGCAGGAGGGGTACAGCCACGCGGCAGGAGGGGTACAGCCACGCGGCAGGAGGGGCAGCAGGAGGGCAAGAGGGCAACAGCCACGCGCACGCGCAGGAGG	941 GACGICTCAACATCAGCACCTGCCCACTGCCCCTGGCTACACGGCCACGATACT 900  941 GACGICTCAACATCAGCACCTGCCCACTGCCCCTGGCTACACGGGCAGATACT 900  941 GACGICTCAACATCAGCACCTGCCACTGCCCCTGGCTACCGGGCAGCATACT 900  901 GCCAAGTGAGGTCCAGCCTGCAGTGTCCCCCTGGCTACCGGGAGGAGGAGTACT 900  902 GCCAAGTGAGGTCCAGCCTGCAGTGTCCCCCTGCTACCGGAGGAGGAGTACTCTCT 960  903 GCCAAGTGAGGTCCAGCCTGCAGTGTCCCCCGGGAGGAGGAGGAGTACTCTCT 960  904 GCGTCTGTGACATCGGCTACCGGGAGCCCAGTGTCCCCCGGAGGAGGAGGACTCCTTC 1020  905 GCGTCTGTGACATCGGCTACCGGGAGCCCAGTGTCCCCCGGAGGAGGAGGACTCCTTCC 1020  906 GCGTCTGTGACATCGGCTACCGGGAGCCCCAGTGTCCCCCAGGTGCATTTCCCTTCC 1020  907 1021 ACACCTGTGACATCGGCTACCGGGAGCCCCAGGTGCCTTCAGAGGCAACACACT 1080  908 ATTACAGAGCCAGATGAAATGTCAGAGAACTCCTTCAGAGGCAACAACACCT 1080  909 1141 AGAAAGTGCAGGATGAAATGTCAGAGAACTGCTTCAGAGGCAACAACACCCAGATCAAGAGCCAACAACACCAGATCAACACACAC

```
PRIOR PRING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60(69, 694
PRIOR PRIOR DECEMBER 16, 1997
PRIOR PRIOR DECEMBER 16, 1997
PRIOR PRIOR DECEMBER: 60(69, 870
PRIOR PRIOR DECEMBER: 60(70, 440
PRIOR PRIOR DECEMBER: 60(70, 400
PRIOR PRIOR DECEMBER: 60(70)
PRIOR PRIOR DECEMBER: 6
```

Best Match	Local (es 1876	Similarity 100.0%; Pred. No. 0; 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
δ	н	TCTTTTGTCCACCCCAGCCTGAACTCCTGGAAATTGTGAATAGCTCCATCCA
QC	н	ACCAGCCCAGCCTGACTCCTGGAGATTGTGAATAGCTCCATCCA
ð í		(1)
Q C	o	AAACAAGCCGGGTGGCTGAGCCGGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC 12
ð :	N I	00
<b>q</b> 0	N ·	CATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCC 18
ઠે ક	181	TCCTTGGCACCACCTGGGCAGAGGTGTGGCCACCCCAGCTGCAGAGCAGGCTCCATGG
3 è	2 4	TO THE CONTRACT OF THE PROPERTY OF THE CONTRACT OF THE CONTRAC
<b>第</b> 名	4	0
ò	301	GCTGGGTCCAGCCCCCTGGCGGCTGACATGCGGAGGCTGGACTGGAGTGACAGCCTGGCCC 360
Db	301	GGGTCCAGCCCCTGCGGCTGACATGCGGAGGCTGGACTGGAGTGACAGCCTGGCCT
λ	361	AACTGGCTCAAGCCAGGGCAGCCCTCTGTGGAATCCCAACCCGGAGCCTGGCATCCGGCC 420
qq	361	STGGCTCAAGCCAGGCAGCCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGC
ò	421	GTGGCGCACCTGCAAGTGGCTGGAACATGCAGCTGCTGCTGCCGGGGCTTGGCGTCCT 48
đ	421	sececacicracaagradacradaacaracaacradcaccacacaagacradacarcc
ò	++	4
qq	481	AGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAG 54
ò	541	GTGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGGCCACCTCAAGCC 60
da	541	stactrocaacaccaccaccaccactacaccacactcorotogranda
δλ	601	AGCTGGGCTGTGGGCACCTGTGCTCTGGAGGGAGGATAGAAGCCTTTGTCT 660
QQ	601	CTGGGCTGTTGGGCGCACCTGTGTTCTGCAGGCCAGACAGCATAGAAGCCTTTGTCT 66
& :	9	C)
QQ		:CCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA 72:
ò	N	GGGTGCCTGGTGTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAGCCTGGGACC 78
QΩ	721	sccredrorrecercrecacadeceadrorecadocracaaadecredeadec 78
ò	781	TIGCAGGGGGGTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG 84
qa	781	gcadogogoricionoagagricoccadoaaricorroricocardagorioccadaaccar
ò	841	GACGICTCAACATCAGCACTGCCACTGCCACTGTCCCCCTGGCTACACGGGCAGATACT 900
Ор	841	FICTCAACATCAGCACTGCCACTGTCCCCCTGGCTACACGGGGCAGATA
ò	0	CCAAGTGAGGTGCAGCTGCAGTGTGCACGGCCGGTTCCGGGAGGAGGAGTGCTCGT 96
g	901	CAAGTGAAGTGCAGCCTGCAGTGTGTGCACGGCCGGTTCCGGGAAGAAGAAGTGCTCGT 960
පි ස	<b>19</b>	CCACCAAGGTGCATTTTCCCTTCC 102
දු දි	961	CGICTGTGACATCGGCTACGGGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTC CACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACAC

```
APPLICANT: Kljavin,Ivar
APPLICANT: Napjer,Mary
APPLICANT: Roy,Margaret
APPLICANT: Tumas,Daniel
APPLICANT: Tumas,Daniel
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. US20020173463A1ember 30, 1999
PRIOR PILLING DATE: No. US20020173463A1ember 30, 1999
PRIOR FILING DATE: No. US20020173463A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28301
                                                                                                                                                                                                                                                                          THILE CONTRAILOR: ACLID ENCODING THE SAME
CURRENT APPLICATION NUMBER: 05/06/028

PRIOR PEDICATION NUMBER: 05/06/028

PRIOR PEDICATION NUMBER: 05/06/411

PRIOR PEDICATION NUMBER: 06/06/411

PRIOR PEDICATION NUMBER: 06/06/411

PRIOR PEDICATION NUMBER: 06/06/335

PRIOR PEDICATION NUMBER: 06/06/334

PRIOR PELING DATE: December 11, 1997

PRIOR PELING DATE: December 12, 1997

PRIOR PELING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 06/06/9,626

PRIOR PELING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 06/06/9,636

PRIOR PELING DATE: December 16, 1997

PRIOR PELING DATE: December 16, 1998

PRIOR PELING DATE: December 16, 1998

PRIOR PELING DATE: PEDICATION NUMBER: 06/070,440

PRIOR APPLICATION NUMBER: 06/074,082

PRIOR PELING DATE: PEDICATION NUMBER: 06/075,945

PRIOR PELING DATE: PEDICATION NUMBER: 06/075,945

PRIOR PELING DATE: PEDICATION NUMBER: 06/075,945

PRIOR PELING DATE: December 16, 1998

PRIOR PELING DATE: December 16, 1999

PRIOR PELING DATE: December 16, 1999

PRIOR PELING DATE: December 16, 1999

PRIOR PELING DATE: DECEMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ING DATE: December1, 1999
LICATION NUMBER: PCT/US99/30095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: December 16, 1999
Grimaldi, Christopher
Gurney, Austin
                                Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR
  1021 ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCT 1080
                                                                                                                             1261 ACTCCTTCCGCTGGGCACACCAGGCTTCACCAGTTTTGCCTTTGGGCAGC 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTGACAACCACGGGCTGGTGTGGCTGCTGCCATGGGGGTTTGGCAACTGCGTGGAGC 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1321 chgacaaccacgeerregreregreregrecreccaregegringecaacreceregaec 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1681 AGAAGAAGCTGGGGCCCTTCGCCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1741 GAAGGAGAGACACCGCCAGTGGTCCAAAAGGCTGCTCTTCTTCCACCTGGCCCAGACCC 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1801 TGTGGGGCAGCGGAGCTTCCCTGTGGCATGAACCCCACGGGGTATTAAATTATGAATCAG 1860
                                                                                         1081 ATTACAGAGCCAGGATGAAATGTCAGAGGAAAGGCGGGGGTGCTGGCCCAGATCAAGAGCC 1140
                                                                                                                                                                                                        1141 AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCAACGAGGTGA 1200
                                                                                                                                                                                                                                                              1141 AGAAAGTGCAGGACATCCTCGCCTTCTATCTGGGCCGCCTGGAGACCACCAACGAGGTGA 1200
                                                                                                                                                                                                                                                                                                                      CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260
                                                                                                                                                                                                                                                                                                                                                                         1201 CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                     1261 ACTCCTTCCGCTGGGCCACAGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA 1440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1381 TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAACCGTTACA 1440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1CTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCA 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1441 TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCAGGGTCCTGAGGCCTGACCA 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1501 CATGGCTCCCTCGCCTGCCCTGGGAGCACCGGCTCTGCCTTACCTGTCTGCCCACCTGTCT 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1501 CATGGCTCCCTCGCCTGCCCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1561 GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1681 AGAAGAAGCTGGGCCCTTCGCCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC 1740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-944-944-49
Sequence 49, Application US/09944944
Patent No. US:0020173463A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Bater, Bayid
APPLICANT: Baten, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1861 CTGAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1861 CTGAAAAAAAAAAA 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Baton, Dan
Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
Godowski, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1561
                                                                                                                                                                                                                                                                                                                      1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                            셤
                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                           d
                                                                                                                                                                                                                                                                                                                                                                   ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ,d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \stackrel{\circ}{\sigma}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
```

```
CTGACAGTGACTTCGAGACCCAGGAACTTCTGGATCGGGCTCACCACAAGACCGCCAAGG 1260
                                                                                                                                                                                    900
                                                                                                                                                                                                                                                                                        960
           GTGCCTACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA 720
                                                               AGGGTGCCTGGTTTCGCTCTGCACAGCCAGTGTCTCAGGCTGCTTCAAAGCCTGGGACC
                                                                                                                                  ATGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAAACCATG
                                                                                                                                                                                                                                                                                 GCCAAGTGAAGGTGCAGCCTGCAGTGTGTGTGTGTGTGTCCGGGAGGAGGAGGAGGACCTCCGT
                                                                                                                                                                                                                                                                                                                                              GCGTCTGTGACATCGGCTACGGGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCACCTACAAGACCGCCAAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTGACAACCACGGGCTGGTGTGGCTGAGTGCTGCCATGGGGGTTTGGCAACTGCGTGGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1381 TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGAAAACGGTTACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCCAGGGTCCTGAGGCTTGACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGCTCTCAGACCTTGCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATGCAGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCATGAGCTGCCAGAACCATG
                                                                                                                                                                                    GACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTACACGGGCAGATACT
                                                                                                                                                                                                                                                                                                                            GCGTCTGTGACATCGGCTACGGGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCC
                                                                                                                                                                                                                                                                                                                                                                                             1021 ACACCTGTGACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACT
                                                                                                                                                                                                                                                                                                                                                                                                                     ACACCTGTGTCACCTGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTACAGAGCCAGGATGAAATGTCAGAGGAAAGGCGGGGTGCTGGCCCAGATCAAGAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1081 ATTACAGAGCCAGGATGAAATGTCAGAGGAAAGGCGGGGTGCTGGCCCAGATCAAGAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1261 ACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACTCCTTCCGCTGGGCCACAGGGAGCACCAGGCCTTCACCAGTTTTGCCTTTGGGCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCCCCAGGGTCCTGAGGCCTGACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CATGGCTCCCTCGCCTGCCCTGGGAGCACCGGCTCTGCTTACCTGTCTGCCCACCTGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               careecrecerecereegageacceecreegererecreerererereceacceerere
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <u> AGAAGAAGCTGGGGCCCTTCGCCTTTTGATTGGGAAGATGGGCTTCAATTAGATGGC</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  841 GACGICICAACAICAGCACCIGCCACIGCCACIGICCCCCIGGCIACACGGGCAGAIACI
                                                                                                                                                                                                                                                         GCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGGTTCCGGGAGGAGGAGTGCTCGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGCAGGCTTCAGCTGCCTTCAACTGGAACGACCAGCGCTGCAAAACCCGGAAACCGTTACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGAACAAGGGCCAGGTTAAGACCACATGCCTCATGTCCAAAGAGGTCTCAGACCTTGCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GAAGGAGAGACACCGCCAGTGGTCCAAAAAGGCTGCTCTTCCACCTGGCCCAGACCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gaaggagagacacogccaguggacaaaaaaggcugcucucurccaccuggccccagaccc
                                                                            721
                                                                                                                                                 781
                                                                                                                                                                                  841
                                                                                                                                                                                                                                                                                                                                                           961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1561
                                                                                                               781
                                                                                                                                                                                                                                                                                        901
                                                                                                                                                                                                                                                                                                                                                                                                                                1021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1741
                                                                                                                                                                                                                                                         901
                                                                                                                                                                                                                                                                                                                            961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1741
                                                                  g
                                                                                                                                                                                                                                                                               q
                                                                                                         상
업
                                                                                                                                                                       à
                                                                                                                                                                                                              원
                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                        중 원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Вb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                   \delta
                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \dot{\delta}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \dot{\delta}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         상
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \dot{\delta}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCGGAGCCCTGAACAGGAAGGAGGATTCTTGCTCCTCCCTGCACAACCGCCTGCGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AACTGGCTCAAGCCAGGGCCAGCCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTGTTGAAGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGGGCAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCCAACAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGAAACAAGCCGGGTGGCTGAGCCAGGCTGTGCACGGAGCACCTGACGGGCCCAACAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 rccrrecaccaccreegcaeaegrereeccaccccaecrecaeaegcaeecrecearge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GCTGGGTCCAGCCCCCTGCGGCTGACATGCGGAGGCTGGACTGGAGTGACAGCCTGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             301 GCTGGGTCCAGCCCCCTGCGGCTGACATGCGGAGGCTGGACTGAACTGACAGCCTGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGTGGCGCACCTGCAAGTGGGCTGGAACATGCAGCTGCTGCTGCCCGCGGGGCTTGGCGTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTGTTGAAGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGTGTGCTCGCAACGCCACCTGCACTACACGCAGCTCGTGTGGGCCACCTCAAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Accresectionsecceccations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GIGCCIACTCCCCCGGAGGCAACTGGGAGGTCAACGGGAAGACAATCATCCCCTATAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ccarecrecarccasagaccrececresecesesearcrecresergeses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ccarectecatccassactroccrescessescarerectescrescresces
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCCTTGGCACCACCTGGGCAGAGGTGTGGCCCACCCCAGCTGCAGGAGCAGGCTCCGATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CCGGAGCCCTGAACAGGAAGAGTTTCTTGCTCCTCCCTGCACAACCGCCTGCGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AACTGGCTCAAGCCAGGCCAGCCCTCTGTGGAATCCCAACCCCGAGCCTGGCATCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Adchidedericheecegeacererierechereeceagacaeceanagageerrrerer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTGCCGCCGGGGCTTGGCGTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                               1876;
                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                               ω
..
                                                                                                                                                                                                                                                                                                                                                                                                               DB
                                                                                                                                                                                                                                                                                                                                                                                                             ; Score 1876; I
; Pred. No. 0;
0; Mismatches
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: Pebruary 11, 2000
PRIOR FILING DATE: Pebruary 21, 2000
PRIOR PLILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05414
PRIOR APPLICATION NUMBER: PCT/US00/05419
PRIOR FILING DATE: March 2, 2000
PRIOR FILING DATE: March 20, 2000
PRIOR FILING DATE: May 22, 2000
PRIOR FILING DATE: DAGMER: PCT/US00/20710
PRIOR PLILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR FILING DATE: December 1, 2000
PRIOR FILING DATE: Pebruary 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 49
LENGTH: 1876
                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
ilarity 100.0%;
Conservative 0
                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 1876; Conserv
                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: HOT
US-09-944-944-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                661
```

. वि

ò ДQ

ઠે

8 8 qq

8 6 6

ద

 $\stackrel{\sim}{o}$ 

g

ò

В

 $\stackrel{>}{\circ}$ 

g

 $\overset{\circ}{\circ}$ 

g ò

ò g ٠...

රු පු

ò

QQ

Search completed: September 10, 2004, 21:42:17 Job time : 885 secs

Ŋ

```
September 9, 2004, 09:08:53; Search time 34 Seconds (without alignments) 690.877 Million cell updates/sec
                                                                                                                                                                                    US-09-944-896-50
2529
1 MLHPETSPGRGHLLAVLLAL......RNRVICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                   389414
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                            389414 seqs, 51625971 residues
                                                                     OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                   BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                             score:
                                                                                                                                                                                                                                                                     Scoring table:
                                                                                                                                                                                      Title:
Perfect so
Seguence:
                                                                                                                                                                                                                                                                                                                            Searched:
                                                                                                            Run on:
```

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Issued Patents AA:\*
1: /cgT2\_6/ptodata/2/iaa/5A\_COMB.pep:\*
2: /cgT2\_6/ptodata/2/iaa/5B\_COMB.pep:\*
4: /cgT2\_6/ptodata/2/iaa/6A\_COMB.pep:\*
5: /cgT2\_6/ptodata/2/iaa/6B\_COMB.pep:\*
6: /cgT2\_6/ptodata/2/iaa/PCTUS\_COMB.pep:\*
6: /cgT2\_6/ptodata/2/iaa/PCTUS\_COMB.pep:\* Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Database :

1

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Description	50,	285,	285	85,	ij	equence 1, 7	'n	3	equence 4,	4	49	. 5	'n	28	28	equence 97,	98	66	10,	9	7	9	7	168	equence 15,	equence 105	equence 10
SUMMARIES	ID	-09-866-	-09-907-794A-28	-09-905-1	-09-902-775A-28	-08-773-36	-887-	-08-773-368-	-09-199-88	US-08-773-368-4	-09-199-88	US-08-340-428B-49	3080	-08-840-062-	-08-614-935-2	US-09-130-287-28	-07-857-224B-9	-07-857-2		-08-419-414	-08-614-935-	-08-614-93	US-09-130-287-6	-287-	US-09-976-594-168	-02	-857-224B-1	US-07-857-224B-100
	DB	4	4	4	4	(7	m	0	m	N	ო	H	9	m	Н	٣	N	7	N	Н	Н	Н	ო	m	4	4	N	N
	Length	വ	463	ø	ø	$\Gamma$	~	П	н	ø	w	25	0	45	IJ	S	3	$^{\circ}$	m	205	0	0	0	0	LO.	m	111	138
d¥≏	Query	9	ö	ö	ö		ö	9.5			•		•	7.5	٠		•	•	•	•	7.1	•		7.1	•	•	6.9	
	Score	52	7	7	7	9	9	232	m	T)	3	ч	σ	189.5	ω	ø	82.	82.	80.	180.5	80.	80.	80.	80.	78.	7	174	
	Result No.	н	2	m	4	ហ	9	7	œ	σ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

ó

9 09

8 6 8 6

121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180

61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGIWRTLQVGWNWQLLPAGLASF 120

13, 4	Sequence 101, App	Sequence 45, Appl	45,	Seguence 45, Appl	Sequence 45, Appl	Sequence 45, Appl	45,	Sequence 45, Appl	1, A								
US-09-257-583-13	US-07-857-224B-101	US-08-181-271A-45	US-08-449-315-45	US-08-444-803-45	US-08-449-043-45	US-08-456-265A-45	US-08-455-416-45	US-08-455-244-45	US-08-454-876-45	US-08-457-364-45	US-08-456-262-45	US-08-456-240-45	US-08-455-736-45	US-08-971-217-45	US-09-350-600-45	US-09-906-234-45	US-08-614-935-1
163 4	39 2	168 1	1 89	168 1	168 1	1 891	1 89	168 1	168 1			68 2			68 3	68 4	104 1
œ	ω.	ω.	۰.	ω.	6.8	ω.	80.	ω.	۰.	ω.	89.	ω.	۵.	ω.	ω.	6.8	6.7.
172	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	169
28	53	30	31	32	33	34	35	36	37	38	6 E	40	41	42	43	44	45

ഗ
H
Z
冠
~
Z
ריז
ň
н
et
~4

		w w
AND NUCLBIC	Gaps	MLHPETSPORGHLLAVLALLGTTWAEVWPPOLOEQAPWAGALNRKESFLLLSLHNRLRS 
Ψ .	455; 0;	FLLLSI        FLLLSI
POLYPEPTIDES A	Length Indels	LINRKES 
S H		DAPMAGP         DAPMAGP
MBRANE PE SAME .8	29; DB 4; . 1.2e-218; ches 0;	PPOLOE(
ANSME THE 66,02	Score 2529; Pred. No. 1. Mismatches	GTTWAEVWPPQLOEQAPWAGALNRKESFLLL 
Application.US/09866028 AAPPlication.US/09866028 AMATION: Baker, Kevin Bectein, David Eaton, Dan Perrata, Napoleone Perrata, Napoleone Perrata, Napoleone Pilvaroff, Ellen Gerritsen, Mary Goddward, Audrey Goddward, Paul Grimaldi, Christopher Gurner, Austin Hillan, Kenneth Kljavin, Ivar Napier, Mary Rey, Margaret Tumas, Daniel Wood, Millian FENTION: SECRETED AND TRANSME FENTION: ACIDS ENCODING THE VOE, PS248PIC1 CLATION NUMBER: US/99/866, 02 CRIC DATE: 2001-05-25 Bation data removed - consult SG ID NOS: 120	Sc Pr	LALLGT         ALLGT
128-50 50, Application.US/09866 50, 6642360 NFCRMATION: TT. BACKEY, Kevin TT. Backer, Kevin TT. Ferrara, Mapoleone TT. Filvaroff, Ellen TT. Gedard, Judrey TT. Goddard, Judrey TT. Goddard, Mary TT. Goddard, Mary TT. Goddard, Mary TT. Goddard, Mary TT. Roy, Margaret TT. Hillan, Kenneth TT. Hillan, Engler, Mary TT. Roy, Margaret TT. Tumas, Daniel TT. Wood, William TT. Wood	100.0%; 100.0%; tive	MLHPETSPGRGHLLAVLLALL 
Application.US/ 4256 RMATION: Baker, Kevin Bactein, Dan Bactein, Dan Berstein, Dan Ferrara, Napoleo Filvaroff, Filon Gerritsen, Mary Goddward, Audrey Godowski, Paul Grimaldi, Christ Grimaldi, Christ Gurney, Austin Hillan, Kenneth Kijavin, Ivar Napier, Mary Roy, Margaret Tumas, Daniel Wood, William VENTION: SECRETE VENTION: ACIDS VENTI	100 larity 100 Conservative	TSPGRG        TSPGRG
10.28 -50 10. Application 10. 10. 6642360 10. INFORMATION: 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	Simi 5;	
SULT 1 Sequence 50, Application U Batent No. 6642360 GENERAL INFORMATION: APPLICANT: Baker, Kevin APPLICANT: Beterin, Dav APPLICANT: Ferrara, Napol APPLICANT: Ferrara, Napol APPLICANT: Gerritsen, Mar APPLICANT: Gerritsen, Mar APPLICANT: Gerritsen, Mar APPLICANT: Godowski, Paul APPLICANT: Grimaldi, Chri APPLICANT: Grimaldi, Chri APPLICANT: Grimaldi, Chri APPLICANT: Grimaldi, Chri APPLICANT: Mary APPLICANT: Mary APPLICANT: Napier, Mary APPLICANT: Napier, Mary APPLICANT: Noy, Mary APPLICANT: Noy, Mary APPLICANT: Noy, Mary APPLICANT: Tumas, Daniel APPLICANT: Wow, Mary APPLICANT: Now Mary APPLICANT: Wow, Mary APPLICANT: Wow, Mary APPLICANT: ACID TITLE OF INVENTION: SCIE CURRENT APPLICATION: ACID CURRENT APPLICANT: ACID CURRENT	atcl cal	
RESULT 1 US-09-866-028-50 Sequence 50, 64 A PRICANT: Ba APPLICANT: E APPLICANT: F APPLICANT: G APPLICANT: T A	Query M Best Lo Matches	oy Op
Caracacacacacacacacacacacacacacacacacaca		& B

us-09-944-896-50.rai

```
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Thums, Daniel
APPLICANT: Thums, Daniel
APPLICANT: Thums, Daniel
APPLICANT: Thums, Daniel
APPLICANT: William, P. Mickey
APPLICANT: William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPRENCE: 10466-14
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: US(09/907,794A
CURRENT FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR PILING DATE: 1999-07-26
PRIOR PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-18
PRIOR FILING DATE: 1999-09-13
PRIOR FILING DATE: 1999-09-15
                                                                                                                        301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                 361 DSDFETRNFWIGLTYKTAKDSFRWATGEHOAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                      RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                               TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                      DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                          181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                                                  421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                               421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 285, Application US/09907794A Patent No. 6635468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Godowski, Paul J.
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pan, James '
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-907-794A-285
                                                                                         241
                                                                                                                                                                                  301
                                                                                                                                                                                                                                                                         361
                                                                                      \delta
                                                                                                                               d
                                                                                                                                                                                  ð
                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                      \dot{\delta}
                                                                                                                                                                                                                                                                                                                    임
                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                             d
```

```
73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                58 RWDEBLAAFAKAYARQC-----VW----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            163 CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
10.8%; Score 272; DB 4; Length 463
Best Local Similarity 31.9%; Pred. No. 3.7e-16;
Matches 74; Conservative 28; Mismatches 78; Indels
        PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR PILING DATE: 1999-11-30
PRIOR PILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-06
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR PLING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR PLILNG DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 285, Application US/09905125A Patent No. 6664376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
FILING DATE: 1999-10-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-907-794A-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 3
US-09-905-125A-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
```

Paoni, Nicholas F. Roy, Margaret Ann Stewart, Timothy A. Tumas, Daniel

```
TITLE OF INVENTION: Acids Encoding the Same Filt REPRIZENT: Wood, william, I TITLE OF INVENTION: Acids Encoding the Same Filt REPRESENCE: 10466-14

FILE REPRESENCE: 10466-14

CURRENT PILLNO DATE: 2010-07-10

PRIOR APPLICATION NUMBER: US 60/1414

PRIOR APPLICATION NUMBER: US 60/141, 048

PRIOR APPLICATION NUMBER: US 60/145, 698

PRIOR APPLICATION NUMBER: US 60/145, 698

PRIOR APPLICATION NUMBER: US 60/146, 222

PRIOR PLILNO DATE: 1999-07-26

PRIOR PLILNO DATE: 1999-07-26

PRIOR PLILNO DATE: 1999-07-26

PRIOR PLILNO DATE: 1999-09-109

PRIOR PRILOR DATE: 1999-09-109

PRIOR PRILOR DATE: 1999-10-109

PRIOR PRILOR DATE: 1999-10-20

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR PLILNO DATE: 1999-10-20

PRIOR PLILNO DATE: 1999-10-20

PRIOR PLILNO DATE: 1999-11-20

PRIOR PRINC DATE: 1999-11-20

PRIOR PRIOR DATE: 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Godowski, Paul J.
Godowski, Paul J.
Gurneldi, Christopher J.
Gurnel, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Paoni, Nicholas F.
Paoni, Nicholas F.
Pay, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                Genentech, Inc.
Ashkenzi, Avi
Botstein, David
Desnoyers, Luc
Exton, Dan L.
Ferrara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Williams, P. Mickey
Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                     Gerritsen, Mary E.
Goddard, A.
                                                                                                                                                                                                                                                                                                        Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
                                                                                                                                                                                                                                                                    Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          58 RWDEELAAFAKAYARQC-----VW----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  124 VSLWFAEGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 LLAVLLALLGITWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11 LLPLILLLLVATT------GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM 57
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 10.8%; Score 272; DB 4; Length 463;
Best Local Similarity 31.9%; Pred. No. 3.7e-16;
Matches 74; Conservative 28; Mismatches 78; Indels 52; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                    THILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/905,125A

CURRENT APPLICATION NUMBER: US/09/905,125A

CURRENT APPLICATION NUMBER: US/09/905,125A

CURRENT FILING DATE: 2001-07-12

PRIOR FILING DATE: 1999-07-07

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR FILING DATE: 1999-07-08

PRIOR FILING DATE: 1999-07-08

PRIOR FILING DATE: 1999-07-08

PRIOR PLING DATE: 1999-07-08

PRIOR PLING DATE: 1999-07-08

PRIOR PLING DATE: 1999-07-08

PRIOR FILING DATE: 1999-09-08

PRIOR FILING DATE: 1999-09-18

PRIOR FILING DATE: 1999-09-18

PRIOR FILING DATE: 1999-09-18

PRIOR PLING DATE: 1999-09-18

PRIOR FILING DATE: 1999-10-15

PRIOR FILING DATE: 1999-10-15

PRIOR PRIOR FILING DATE: 1999-11-29

PRIOR FILING DATE: 1999-11-29

PRIOR FILING DATE: 1999-11-20

PRIOR PRIOR DATE: 1999-11-30

PRIOR PRIOR DATE: 1999-11-30

PRIOR PRIOR DATE: 1999-12-02

PRIOR PRIOR DATE: 1999-12-06

PRIOR PRIOR DATE: 1999-12-07

PRIOR PRIOR DATE: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 4
US-09-902-775A-285
Sequence 285, Application US/09902775A
Patent No. 6686451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
CRGANISM: Homo
US-09-905-125A-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
```

Length 463; DB 4; Score 272; 10.8%; TYPE: PRT

ORGANISM: Homo Sapien
US-09-902-775A-285

셤

엄 à

```
----ROXRXGHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                 124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                       73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58 RWDEELAAFAKAYA-------RQXRXGHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | : | | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | : | | : | : | | : | : | | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13 LLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
--GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM 57
                                                                                                                                                                                                                                                                                                                                                                                                        163 CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                          180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                    73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 270;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.6%; Score 267; DB 3; Length 270
31.5%; Pred. No. 5.1e-16;
tive 28; Mismatches 79; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Bandman, Olga
APPLICANT: Goll, SURYA K.
TITLE OF INVENTION: NOVEL HUMAN PATHOGENESIS-RELATED
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: 1BM Compatible
OPERATING SYSTEM: DOS
SUPPTAREE: FastESED for Windows Version 2.0
SUPPTAREE: AstESED for Windows Version 2.0
APPLICATION DATA:
APPLICATION NUMBER: US/09/199,887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy M.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0186 US
TELECOWMUNICATION INFORMATION:
TELEPHONE: 415-855-055
TELEPHONE: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/773,368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/09199887
Patent No. 6071874
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS: LENGTH: 270 amino acida TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
11 LLPLLLLLVATT-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 10.6
Best Local Similarity 31.5
Matches 73; Conservative
                                                                                                                                            58 RWDEELAAFAKAYA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANCE.
TOPOLOGY: linear
INMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 6
US-09-199-887-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-199-887-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP:
                                                                                                                                         g
                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                      ď
                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         103 MEEWHHEREHYNLSAATCSPGOMCGHYTOVVWAKTERIGCGSHFCEKLOGVEETNIELLV 162
                                                                                                                                                                                                                                                           73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                         58 RWDEELAAFAKAYARQC-----VW-----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                    124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                              13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                            11 LIPLILILIVATT------GPV-GALTDEEXRLMVELHNLYRAQVSPTASDMLHM 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 LLAVELALEGITWAEVWPPQLQEQAPMAGALNRKESFLLLSLANRERSWVQPPAADMRRL 72 | | | : | | | : | | | : | | : | | : | | : |
                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.6%; Score 267; DB 2; Length 270; ilarity 31.5%; Pred. No. 5.1e-16; Conservative 28; Mismatches 79; Indels
   ; Pred. No. 3.7e-16;
28; Mismatches 78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Bandman, Olga
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL HUMAN PATHOCENESIS-RELATED
TITLE OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PF-0186 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US/08/773,368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-773-368-1; Sequence 1, Application US/08773368; Patent No. 5856130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Billings, Lucy RJ
REGISTRATION NUMBER: 36,749
REPERENCE/DOCKET NUMBER: PF-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 270 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
ATTORNEY/AGENT INFORMATION:
   Best Local Similarity 31.9
Matches 74; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: sing
TOPOLOGY: linear
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 73; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-773-368-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 180
```

Sequence 3, Application US/09199887

Patent No. 6071874

GREAL INFORMATION: O'GB

APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.

TITLE OF INVENTION: NOVEL HUMAN PATHOGENESIS-RELATED
TITLE OF INVENTION: PROTEIN

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSE: Incyte Pharmaccuticals, Inc.

STREET: 3174 Porter Drive

OPERATING SYSTEM: DOS
SOFTWARE: FASTERN: DOS
CURRANT APPLICATION DATA:
ARPLICATION NUMBER: US/09/199,887
FILING DATE:
CLASSIPRICATION:
PRICK APPLICATION DATA:
APPLICATION NUMBER: 08/773,368
FILING DATE:
APPLICATION NUMBER: 08/773,368
FILING DATE:
APPLICATION NUMBER: 08/773,368
REGISTRATION NUMBER: 36,749
REGISTRATION NUMBER: 36,749
REGISTRATION NUMBER: 36,749
REGISTRATION NUMBER: PF-0186 US
TELEPHONE: 415.855-5555

COMPUTER: IBM Compatible OPERATING SYSTEM: DOS

Diskette

COMPUTER READABLE FORM: MEDIUM TYPE: Diskett

STATE: C

INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTERISTICS: LENGTH: 219 amino acids TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: line:

TELEFAX: 415-845-4166 TELEX:

94 PSLASGLWRTLQVGWNMQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQL 153 81 PNFTS-----LGENIWTGSVPIFSVSSAITNWYDEIQDYNFKTRICKK--VCGHYTQV 131 154 VWATSSQLGCGRHLCS--AGOTAIE---AFVCAYSPGGNWEVNGKTIIPYKKGAWCSLC 207 | |: :||: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || |: || Gaps Query Match
9.2%; Score 232; DB 3; Length 219;
Best Local Similarity 32.4%; Pred. No. 5.3e-13;
Matches 58; Conservative 28; Mismatches 61; Indels 47 ESFL--LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIP-US-08-773-368-4
; Sequence 4, Application US/08773368
; Patent No. S856130
; GENERAL INFORMATION;
APPLICANT: Bandman, Olga ; LIBRARY: GenBank ; CLONE: 847722 US-09-199-887-3 ò g

154 VWATSSQLGCGRHLCS--AGQTAIE---AFVCAYSPGGNWEVNGKTIIPYKKGAWCSLC 207

47 ESFL--LLSLHNRLRSWVQPPAADWRRLDWSDSLAQLAQARAALCGIP----

g à d ò

```
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: TEM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 32.4%
Matches 58; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 415-845-4166
TELEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1030053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-340-428B-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-199-887-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     91 PNFTS------LGENIWTGSVPIFSVSSAITWWYDEIQDYDFKTRICKK--VCGHYTQV 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       94 PSLASGLWRTLQVGWNMQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQL 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | | | : | | : | | : | | : | | : | | : | | 31 EDFIKDCVRIHNKFRSEVKPTASDMLYMTWDPALAQIAKAWASNCQFSHNTRLKPPHKLH 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        47 BSFL--LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIP-----T 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             154 VWATSSQLGCGRHLCS--AGQTAIE---AFVCAYSPGGNWEVNGKTIIPYKKGAWCSLC 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.1%; Score 231; DB 2; Length 266; ilarity 32.4%; Pred. No. 8.4e-13; Conservative 27; Mismatches 62; Indels
TITLE OF INVENTION: NOVEL HUMAN PATHOGENESIS-RELATED TITLE OF INVENTION: PROTEIN NUMBER OF SEQUENCES: 6 CORRESPONDENCE ADDRESS: ADDRESSE: Incvr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Application US/09199887
Patent No. 6071874
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL HUMAN PATHOGENESIS-RELATED
TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                     COMUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Comparible
OPPRATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/773,368
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
PRIOR DATE:
PRIOR DATE:
PRIOR DATE:
PRIOR DATE:
APPLICATION NUMBER:
                                                                                                                                                                         AUDRESSEE: Incyte Pharmaceuticals, Inc. STREET: 3174 Porter Drive CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PF-0186 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Billings, Lucy RJ
REGISTRATION NUMBER: 36,749
REPRENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEPAX: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1030053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
Matches 58; Conserv
                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                  94304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-773-368-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 10
US-09-199-887-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \delta
```

```
COMPUTED: MAINMALE PORM:
COMPUTED: THE CARACTER: THE CARAC
```

```
212 -RERERECSCVCDIGYGGAOCATKVHFPFHTCDL---RIDGDCFMVSSEADTYYRARMKC 327
     Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2109 NPC-----LNGGTCYPTETSYVCTCVPGYSGDQCELDFDECHSNPCRNGATCVDGF 2159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1015 PSYGGNLCEXDT----EGCDRGWKFPGHCYRYFAHRRAWEDAERDCRRRAGHLTSVHSP 1070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          235 SCQNHG---RLNISTCHCHCPPGYTGRYCQV----RCSLQCVHGRFREEECS---CVCD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           284 IGYGGAQCATKVHFPFHTCDL---RIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQ 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 341 KVQDILAFYLGRLETTNEVTDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQP 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 7.8%; Score 196; DB 6; Length 2409;
Best Local Similarity 26.8%; Pred. No. 2.2e-08;
Matches 63; Conservative 27; Mismatches 83; Indels 62; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          230 NPCRMSCQNHGRLNISTCH-----CHCPPGYTGRYCQV------RCSLQCVHG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match

8.4%; Score 212; DB 1; Length 1257;
Best Local Similarity 24.8%; Pred. No. 3.4e-10;
Matches 70; Conservative 34; Mismatches 134; Indels 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PACEDICANT: RUOSLAHTI, ERKKI I.

APPLICANT: RUOSLAHTI, ERKKI I.

APPLICANT: RUOSLAHTI, ERKKI I.

TITLE OF INVENTION: VERSICANI
SEQUENCES ENCODING THE SAME, NUCLEIC ACID PROBES, ANTI-VERSICAN
ANTIBODIES, AND METHODS OF DETECTING THE SAME
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/441,179
FILING DATE: 27-NOV-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1116 DNF-----FAGGEDCVVMVAHENGRWNDVPCNYNLPYVCK 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       401 DNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYICQ 442
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide US-08-340-428B-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 2409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 12
5180808-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5180808-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
```

ž	
qq	2160 NTFRCLCLPSYVGALCEQDTETCDYGWHKFQGQCYKYFAHRRTWDAABREC 2210
Ολ	GGVLAQIKSQKVQDILAFYLGRLETTNEVTDSDFETRNF
QQ	2211 RLQGAHLTSILSHEEQMFVNRVGHDYQWIGLNDKMFEHDFRWTDG 2255
ò	388 EHQAFISFAFGQPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYICQ 442
qq	2256 STLQYENWRPNQPDSFFSAGEDCVVIIWHENGQWNDVPCNYHLTYTCK 2303
RESULT US-08-	13 840-06
Se	Sequence 5, Application US/08840062 Patent No. 6117977
GEN	FORMATIC
14 ET 1	OF INVENTION: T
	EQUENCES: 15 NCE ADDRESS:
	SEE: Genentech, In 460 Point San Br
	CITY: South San Francisco STATE: California
. •• •	
	ER READABLE
	ER: IBM PC compatible
	TING SYSTEM: ARE: WinPati
	CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/840,062
	FILING DATE:
	T INFORMATI
	TRATION NUMBER: 33,055
	DOCKET NUMBER: ATION INFORMATIC
	TELEPHONE: 415/225-3216 TELEPAX: 415/952-9881
	910/371-7168
ž ~.	INFORMATION FOR SEG ID NO: 5: SEQUENCE CHARACTERISTICS: FENDENCE CHARACTERISTICS
, , , US-08-	TYPE: Amino Acid TYPE: Amino Acid TOPOLOGY: Linear -840-062-5
Que	Query Match 7.5%; Score 189.5; DB 3; Length 1455;
Matc	84; Conservative 45; Mismatch
ò	135 SHAAGECARNATCTHYTQLVWATSQLGCGRHLCSAGGTAIEAFV 179
Ωp	491 SHAVVPEGADKGCRKGWKRHGFYCYLIGSTLSTFTDANHTCTNEKÄYLTTVEDRYEQAFL 550
ò	180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGC 214
ΩÞ	551 TSLVGLRPEKYFWTGLSDVQNKGTFRWTVDEQVQFTHWNADMPGRKAGCVAMKTGV 606
ò	215 FKAWDHAGGLCEVPRNPCRMSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFR 274
q <sub>C</sub>	607AGGLWDVLSC
ò	CSCVCDI
qq	617 EEKAXEVCKHWAEGVTRPPEPTTTPEPKCPENWGTTSKTSMCFKLYAKGKHEKKTWF 673

Mon Sep 13 10:31:19 2004

g

167 LCSAGQTAIEAFVCAYSPGGNWEVNGKTIIPYKK 200

Search completed: September 9, 2004, 09:23:40

```
120 YCPNQDSLKYYYVCQYCPAGN-NMNRKN-TPYQQ 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANTI-SENSE: NO
FRAGMENT TYPE: N
ORIGINAL SOURCE:
                      엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                      674 ESRDFCKAIGGELASIKSKDEQQV----IWRL-----ITSSGSYHELFWLGLTYGSPSEG 724
                                                                                     382 FRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYIC 441
                                                                                                                  51 LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGI----PTPSLASGLWRTLQV 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     107 GWNWQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRH 166
322 RARMKCORKGGVLAQIKSOKVQDILAFYLGRLETTNEVTDSDFETRNFWIGLTYKTAKDS 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 7.3%; Score 185, DB 1; Length 151; Best Local Similarity 30.5%; Pred. No. 5.3e-09; Matches 47; Conservative 28; Mismatches 67; Indels
                                                                                                                                                                                                                                                                                                             Pactor 28, Application US/08614935
Patent No. 5804201
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: IMMUNOMODULATORY PEPTIES OF VESPID TITLE OF INVENTION: ANTIGEN 5
NUMBER OF SECURIOES: 81
CORRESPONDENCE ADDRESS:
ADDRESSE: David A. Jackson, Esq.
STREET: Floor
STREET: Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
WINERIT APPLICATION DATA:
APPLICATION NUMBER: US/08/614,935
FILING DATE: 11.MAR-1996
CLASSIFICATION: 436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-156
TELECOMMUNICATION:
TELEPHONE: 201-487-5800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 28: SEQUENCE CHARACTERISTICS: LENGTH: 151 amino acids TYPE: amino acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FRAGMENT TYPE: N-terminal ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
US-08-614-935-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: protein HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        S
S
                                                                                                                                                                      442 Q 442
                                                                                                                                                                                                            777 Q 777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ANTI-SENSE:
                                                                                                                                                                                                                                                                                                 US-08-614-935-28
                                        염
                                                                                   ò
                                                                                                                                                                    ò
```

```
51 LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGI----PTPSLASGLWRTLQV 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                107 GWIMQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRH 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 GENL-YMSSDPTSWSSAIQSWYDEILDFVYGVGPKSPNAVVGHYTQLVWXSTYQVGCGIA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 IVNKHNELRKAVSPPASNMLKMEWSREVTTNAQRWANKCTLQHSDPEDRKTS----TRC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 7.3%; Score 185; DB 3; Length 151;
Best Local Similarity 30.5%; Pred. No. 5.3e-09;
Matches 47; Conservative 28; Mismatches 67; Indels 12;
NS-09-130-287-28
Sequence 28, Application US/09130287
Patent No. 6106B4
Patent No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
STREET: Noor
STREET: Noor
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/WS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATE: US/09/130,287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      167 LCSAGQTAIEAFVCAYSPGGNWEVNGKTIIPYKK 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                120 YCPNODSLKYYYVCQYCPAGN-NMNRKN-TPYOQ 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           600-1-156 DIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICALL...
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/614,935
FILING DATE: 11-MAR-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/COCKET NUMBER: 600-1-156
FELECCHMINICATION INFORMATION:
TELECCHMINICATION INFORMATION:
TELECCHMINICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              N-terminal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
US-09-130-287-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
```

Job time : 36 secs

ihis Page Blank (uspto)

```
Sequence 50, Appl Sequence 7, Appl Sequence 7, Appl Sequence 7, Appl Sequence 47, Appl Sequence 47, Appl Sequence 47, Appl Sequence 2, Appli Sequence 2, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 4, Appliance 4, Appliance 4, Appliance 4, Appliance 4, Appliance 5, Appliance 6, Appliance 7, Appliance 1, Appliance 2, Appliance 2, Appliance 285, Appliance 285,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Wood, William

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P25.48Plc1

CURRENT PILNG DATE: 2001-05-25

CURRENT PLING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 120

SEQ ID NO 50

LENGTH: 455

TYPE: PRT

ORGANISM: Homo Sapien

US-09-866-028-50
   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 455;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 2529; DB 9; Best Local Similarity 100.0%; Pred. No. 1e-208; Matches 455; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-909-320-285
US-09-909-088B-285
US-09-905-291A-285
US-09-907-824-285
US-09-907-824-285
                                                                                      0.05 - 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.94 + 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 50, Application US/09866028
Patent No. US20020058309A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
Hillan, Kenneth
Kljavin, Ivar
Napier, Mary
Roy, Margaret
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                AFFLICANT: Naple, ......
APPLICANT: ROY, Margaret
APPLICANT: Tumas, Daniel
'APPLICANT: Wood, William
'APPLICANT: WOOD, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
                                                                                             11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
11000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -09-866-028-50
                                                                                                                                                                                                                                                                                              2529
2444
2529
2444
2444
2444
2315
2315
2315
2315
2415
2415
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
3; Search time 128 Seconds (without alignments) 1139.951 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 50, Seque
                                                                                                                                                                                                                                                                                                                                                        US-09-944-896-50
2529
1 MLHPETSPGRGHLLAVLLAL......RNRXICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 50,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence Sequence S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence Sequence S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Published Applications AA:*

1: /cgm2_6/ptodata/2/pubpaa/PcT_PUBCOMB.pep:*

2: /cgm2_6/ptodata/2/pubpaa/PcT_PWEW_PUB.pep:*

3: /cgm2_6/ptodata/2/pubpaa/BcG_NBW_PUB.pep:*

4: /cgm2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*

5: /cgm2_6/ptodata/2/pubpaa/USO7_NBW_PUB.pep:*

6: /cgm2_6/ptodata/2/pubpaa/USO8_NBW_PUB.pep:*

7: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

8: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

9: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

10: /cgm2_6/ptodata/2/pubpaa/USO9E_PUBCOMB.pep:*

11: /cgm2_6/ptodata/2/pubpaa/USO9E_PUBCOMB.pep:*

11: /cgm2_6/ptodata/2/pubpaa/USO9E_PUBCOMB.pep:*

13: /cgm2_6/ptodata/2/pubpaa/USO9E_PUBCOMB.pep:*

14: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

15: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

16: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

16: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

17: /cgm2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

18: /cgm2_6/ptodata/2/pubpaa/USO8_NEW_PUB.pep:*

18: /cgm2_6/ptodata/2/pubpaa/USO8_NEW_PUB.pep:*

18: /cgm2_6/ptodata/2/pubpaa/USO8_NEW_PUB.pep:*
                     GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-986-028-50
US-09-944-449-50
US-09-944-645-50
US-09-945-587-50
US-09-945-587-50
US-09-943-965-00
US-09-944-396-50
US-09-944-432-50
US-09-944-432-50
US-09-944-432-50
US-09-944-432-50
US-09-944-432-50
US-09-944-432-50
US-09-944-433-50
US-09-944-433-50
US-09-944-433-50
US-09-944-433-50
US-09-944-433-50
US-09-944-433-50
US-09-944-433-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1335176 segs, 320689617 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUMMARIES
                                                                                                                                                                                                                              9, 2004, 09:13:53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                          OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapop 10.0 , Gapext
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         seg length: 0
seg length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query.
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            September
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0
100.0
100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0
100.0
100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0
                                                                                                                                                                                                                                                                                                                                                                                            Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Database
                                                                                                                                                                                                                          Run on:
                                                                                                                                                                                                                                                                                                                                                               ritle:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Š.
```

Gaps

. 0

us-09-944-896-50.rapb

```
TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-944-449-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Tunas, Daniel
APPLICANT: Tunas, Daniel
APPLICANT: Tunas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SERRED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2548PLC1
CURRENT APPLICATION NUMBER: US/09/944,449
CURRENT FILING DATE: 2001-09-26
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: December 3, 1997
PRIOR FILING DATE: December 1, 1997
PRIOR FILING DATE: December 1, 1997
PRIOR FILING DATE: December 1, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/669,278
                                                                                                                        61 WVQPPAADWRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                                                                                                                                                               181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                  181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFARGQPDNHGLVWLSAAMGRGNCVEL 420
                                                                                                                                                                                                                      121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                           WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 50, Application US/09944449
Patent No. US20020102647A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Grimaldi,Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Napier, Mary
Roy, Margaret
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kljavin, Ivar
                                                                           61
                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 2529; DB 9; Length 455; 100.0%; Pred. No. 1e-208; ive 0; Mismatches 0; Indels 0;
PRIOR AFFLICATION NUMBER: 60/065/702
PRIOR APPLICATION NUMBER: 60/065/702
PRIOR APPLICATION NUMBER: 60/065/870
PRIOR APPLICATION NUMBER: 60/065/870
PRIOR APPLICATION NUMBER: 60/065/870
PRIOR APPLICATION NUMBER: 60/065/870
PRIOR APPLICATION NUMBER: 60/070, 4198
PRIOR APPLICATION NUMBER: 60/070, 4198
PRIOR APPLICATION NUMBER: 60/070, 4198
PRIOR APPLICATION NUMBER: 60/075, 945
PRIOR APPLICATION NUMBER: 60/11, 296
PRIOR PLIING DATE: Pebruary 25, 1998
PRIOR PLIING DATE: Pebruary 25, 1999
PRIOR PLIING DATE: Pebruary 27, 1999
PRIOR PLIING DATE: Pebruary 21, 2000
PRIOR PLIING DATE: Pebruary 21, 2000
PRIOR PLIING DATE: Pebruary 22, 2000
PRIOR PLIING DATE: PEBRUARY 21, 2000
PRIOR PLIING DATE: PEBRUARY 22, 2000
PRIOR PLIING DATE: PEBRUARY 22, 2000

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 455; Conservative
```

ô

```
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P2548PLC1
CURRENT APPLICATION NUMBER: US/09/944,457
CURRENT FILING DATE: 2001-09-26
PRIOR PILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/669,334
PRIOR FILING DATE: December 3, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR PAPLICATION NUMBER: 60/669,3278
PRIOR FILING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PAPLICATION NUMBER: 60/669,425
PRIOR PAPLICATION NUMBER: 60/669,425
PRIOR PAPLICATION NUMBER: 60/669,425
PRIOR PILING DATE: December 12, 1997
PRIOR PILING DATE: December 16, 1997
                                                                                                                                                                                                                                                                                                         240
                                                                                                                                                                                                                                                                                                                                                                                                            300
                                                                                                                                                                                                   VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                              121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                   AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAMDHAGGLCEVPRNPCRMSCONHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                    TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  420
MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            301 TCDLRIDGDCFWVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT
                                                                                                WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                   AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                                                                                         RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 50, Application US/09944457
Patent No. US20020110859A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eaton, Dan
Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hillan, Kenneth
Kljavin, Ivar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tumas, Daniel
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Roy, Margaret
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 3
US-09-944-457-50
                                                                                                                                                                                                                                                                                                                                                                                                      241
                                                                                                61
                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          361
                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                           g
                                                                                             ò
                                                                                                                                                                                                                                                                                                   à
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

```
## PRIOR PAPLICATION NUMBER: 60/60, 973

## PRIOR PAPLICATION NUMBER: 60/10, 983

## PRIOR PAPLICATION NUMBER: 60/10, 9
```

Gaps

```
VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                      121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                        181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                         RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301 TCDLRIDGDCFWVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                                       9
                                 1 MLHPBTSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                     361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: TURBE, DATIE I

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCL.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P2548PCI.
CURRENT APPLICATION NUMBER: U5/09/26
CURRENT FILING DATE: 2001-09-26
FRIOR APPLICATION NUMBER: 09/66,028
FRIOR APPLICATION NUMBER: 09/66,028
FRIOR APPLICATION NUMBER: 06/06/314
FRIOR APPLICATION NUMBER: 60/06/334
FRIOR FILING DATE: December 1, 1997
FRIOR FILING DATE: December 1, 1997
FRIOR FILING DATE: December 11, 1997
FRIOR FILING DATE: December 16, 1997
FRIOR FILING DATE: December 16, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 50, Application US/09945587
Patent No. US20020127643A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gurney, Austin
Hillan, Kenneth
Kljavin, Ivar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleo
APPLICANT: Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Roy, Margaret
Tumas, Daniel
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-945-587-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                   61
                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    421
                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \delta
```

```
101 | 102 | 102 | 103 | 103 | 104 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361 DSDFETRNFWIGLIYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                    121 VEVVSLWFAEGGRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETINEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                  61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                                                                                                                                                         121 VEVVSLWFAEGORYSHAAGECARNATCTHYTQLVWATSSOLGCGRHLCSAGOTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Tunas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACTOS ENCODING THE SAME
FILE REFERENCE: P2548PICI
                                                                                                                       61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/945,015 CURRENT FILING DATE: 2001-09-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR PELING DATE: 2001-05-26
PRIOR PELING DATE: December 3, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR PELING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR PRIOR DATE: DECEMBER: 60/069,425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 50, Application US/09945015
Patent No. US20020132768A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
Hillan, Kenneth
Kljavin, Ivar
Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Roy, Margaret
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-945-015-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
```

ò

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 2529; DB 9; Length 455; 100.0%; Pred. No. 1e-208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
PRIOR FILING DATE: December 16, 1997
PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 19, 1998
PRIOR FILING DATE: December 16, 1998
PRIOR FILING DATE: DECEMBER 17, 1999
PRIOR FILING DATE: PEDICATY 22, 2000
PRIOR FILING DATE: PEDICATY 22, 2000
PRIOR FILING DATE: PEDICATY 28, 2001
PRIOR FILIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , rred. No. le-
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 455; Conserv
```

ò

g

```
APPLICANT: Kljavin, Ivar
APPLICANT: Kljavin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Napier, Mary
APPLICANT: Napier, Mary
APPLICANT: Tumas, Daniel
APPLICANT: Tumas, Daniel
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SCREPED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TILLE REFERENCE: P2548PIC1
CURRENT APPLICATION NUMBER: 09/666,028
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: December 3, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PLING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PLING DATE: December 11, 1997
PRIOR PLING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/669, 425
PRIOR PILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/669, 425
PRIOR PILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/669, 696
PRIOR PILING DATE: December 12, 1997
                                                                                                                                                                                                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  240
                                                                                                                                 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                                                              VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                        121 VEVVSLWFAEGGRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGGTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREBECSCVCDIGYGGAQCAIKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TCDLRIDGDCFWVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETINEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCDLRIDGDCFWVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETINEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                                AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                                                                                                                             181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCONHG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-944-396-50
; Sequence 50, Application US/09944396
; Patent No. US20020132981A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gurney, Austin
Hillan, Kenneth
Kljavin, Ivar
Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Goddard, Audrey
                                                                                                                                                                                                                                                              121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421
                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
```

```
Indels
                                                    FRICK PELLICATION NUMBER: 60/66,870

REIGN FILLING DATE: December 16, 1997

REIGN FILLING DATE: December 17, 1997

REIGN FILLING DATE: December 17, 1997

REIGN FILLING DATE: December 18, 1997

REIGN APPLICATION NUMBER: 60/06,017,409

REIGN APPLICATION NUMBER: 60/074,098

REIGN APPLICATION NUMBER: 60/112,860

REIGN APPLICATION NUMBER: 60/112,860

REIGN APPLICATION NUMBER: 60/112,988

REIGN APPLICATION NUMBER: PCT/US99/121090

REIGN APPLICATION NUMBER: PCT/US99/121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 2529; DB 9;
100.0%; Pred. No. 1e-208;
ive 0; Mismatches 0;
R FILING DATE: December 16, 1997
R APPLICATION NUMBER: 60/06,702
R APPLICATION NUMBER: 60/069,870
R APPLICATION NUMBER: 60/069,870
R APPLICATION NUMBER: 60/069,873
R ILING DATE: December 17, 1997
R ILING DATE: December 17, 1997
R APPLICATION NUMBER: 60/069,017
R PALLING DATE: December 19, 1997
R PALLING DATE: December 19, 1997
R PILING DATE: December 19, 1997
R PILING DATE: DECEMBER: 60/070,440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 100.
Matches 455; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT

ORGANISM: Homo Sapien
US-09-944-396-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

ö

```
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 2529; DB 9; Length Best Local Similarity 100.0%; Pred. No. 1e-208; Matches 455; Conservative 0; Mismatches 0; Indels
            PRIOR PERIOR PATES December 16, 1997
PRIOR PERIOR PERIOR PATES DECEMBER 17, 1997
PRIOR PERIOR PILICATION NUMBER: 60,606,903
PRIOR PELICATION NUMBER: 60,606,907
PRIOR PELICATION NUMBER: 60,6074,08
PRIOR PELICATION NUMBER: 60,707,440
PRIOR PELICATION NUMBER: 60,707,440
PRIOR PELICATION NUMBER: 60,707,938
PRIOR PELICATION NUMBER: 60,707,938
PRIOR PELICATION NUMBER: 60,714,088
PRIOR PELICATION NUMBER: 60,714,088
PRIOR PELICATION NUMBER: 60,112,298
PRIOR PELICATION NUMBER: 60,112,298
PRIOR PELICATION NUMBER: 60,113,298
PRIOR PELICATION NUMBER: 60,13,298
PRIOR PELICATION NUMBER: 60,13,298
PRIOR PELICATION NUMBER: 60,13,298
PRIOR PELICATION NUMBER: 60,13,298
PRIOR PELICATION NUMBER: 61,1999
PRIOR PELICATION NUMBER: 67,10899/28131
PRIOR PELICATION NUMBER: 67,10809/28131
PRIOR APPLICATION NUMBER: 67,10809/28131
PRIOR PELICATION NUMBER: 67,10809/28131
PRIOR APPLICATION NUMBER: 67,10809/28131
PRIOR PELICATION NUMBER: 67,10809/28131
PRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-944-097-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: TUMBA: JAINEN

APPLICANT: WOOG, William

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P2548PLCI

CURRENT APPLICATION NUMBER: US/09/944,097

CURRENT FILING DATE: 2001-08-31

PRIOR FILING DATE: 2001-08-35

PRIOR FILING DATE: December 11, 1997

PRIOR FILING DATE: December 11, 1997

PRIOR PILING DATE: December 11, 1997

PRIOR PILING DATE: December 11, 1997

PRIOR PILING DATE: December 12, 1997

PRIOR FILING DATE: December 12, 1997

PRIOR PILING DATE: December 12, 1997

PRIOR PILING DATE: December 16, 1997

PRIOR FILING DATE: December 16, 1997

PRIOR FILING DATE: December 16, 1997
                                                                                                                                                                                                                                                                        121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFARGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                    61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                              121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                               241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                       1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                             WVQPPAADWRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 50, Application US/09944097
Patent No. US20220133675A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kljavin, Ivar
Napier, Mary
Roy, Margaret
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-944-097-50
                                                                                                                   61
                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                        181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    361
   Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             361
                                                      g
                                                                                                                                                                 ΩD
                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                        쉱
                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
```

DB 9; Length 455;

```
CR FILING DATE: December 1, 1998
CR APPLICATION NUMBER: 09/216,021
CR FILING DATE: December 16, 1998
CR APPLICATION NUMBER: 09/216,517
CR FILING DATE: December 22, 1998
CR APPLICATION NUMBER: 09/254,311
CR FILING DATE: December 22, 1998
CR APPLICATION NUMBER: 09/254,311
CR FILING DATE: Warch 3, 1999
CR APPLICATION NUMBER: PCT/US99/1252
CR FILING DATE: JOURE 22, 1999
CR APPLICATION NUMBER: PCT/US99/28409
CR FILING DATE: NO. US20020142419Alember 30, 100 PRILING DATE: NO. US20020142419Alember 30, 100 PRELICATION NUMBER: PCT/US99/28313
CR FILING DATE: December1, 1999/28301
                                                                                                   PRIOR APPLICATION NUMBER: 60/66;873
PRIOR APPLICATION NUMBER: 60/66;873
PRIOR APPLICATION NUMBER: 60/66;873
PRIOR FILING DATE: December 10, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 12, 1998
PRIOR PLING DATE: PEDRIARY 9, 1998
PRIOR APPLICATION NUMBER: 60/074,082
PRIOR APPLICATION NUMBER: 60/074,082
PRIOR APPLICATION NUMBER: 60/071,082
PRIOR APPLICATION NUMBER: 60/071,082
PRIOR APPLICATION NUMBER: 60/071,082
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: PEDRIARY 9, 1998
PRIOR FILING DATE: December 12, 1998
PRIOR FILING DATE: December 12, 1998
PRIOR FILING DATE: December 11, 1998
PRIOR FILING DATE: December 12, 1999
PRIOR FILING DATE: December 11, 1998
PRIOR FILING DATE: December 11, 1998
PRIOR PRILING DATE: December 12, 1999
PRIOR FILING DATE: December 12, 1999
PRIOR FILING DATE: December 12, 1999
PRIOR FILING DATE: December 11, 1999
PRIOR FILING DATE: December 12, 1999
PRIOR FILING DATE: December 15, 1999
PRIOR FILING DATE: December 16, 1999
PRIOR PRILING DATE: December 16, 1999
PRIOR PLILING DATE: December 16, 1999
PRIOR PLILING DATE: December 16, 1999
PRIOR PLILING DATE: December 17, 2000
PRIOR APPLICATION NUMBER: PCT/USO0/0149
PRIOR PLILING DATE: December 17, 2000
PRIOR APPLICATION NUMBER: PCT/USO0/0149
PRIOR FILING DATE: PEDRIARY 107/010/05520
PRIOR PRIOR DATE: DECEMBER 17, 2000
P
                                       RILING DATE: December 16, 1997
OR APPLICATION NUMBER: 60/669,870
OR APPLICATION NUMBER: 60/669,870
OR FILING DATE: December 17, 1997
OR FILING DATE: December 17, 1997
OR FILING DATE: December 18, 1997
OR FILING DATE: December 18, 1997
OR APPLICATION NUMBER: 60/070,440
OR APPLICATION NUMBER: 60/070,440
OR APPLICATION NUMBER: 60/074,086
OR FILING DATE: Pebruary 9, 1998
OR FILING DATE: February 9, 1998
OR FILING DATE: February 9, 1998
OR FILING DATE: December 16, 1998
OR FILING DATE: December 12, 1998
OR FILING DATE: December 12, 1998
OR FILING DATE: December 16, 1998
OR FILING DATE: DECEMBER: 60/146, 222
OR FILING DATE: DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) ORGANISM: Homo Sapien
US-09-944-432-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AFPLICANT: WOOS, WALLIARM

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLBIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,432
CURRENT APPLICATION NUMBER: US/866,028
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR PILING DATE: 201-05-25
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 3, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PILING DATE: December 12, 1997
PRIOR PILING DATE: December 16, 1997
PRIOR PILING DATE: December 16, 1997
PRIOR PILING DATE: December 16, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                               VEVVSLWFAEGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                   AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                               181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                                                           61 WVQPPAADWRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QASAAPNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      oer 16, 1997
60/069,694
oer 16, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 i-09-944-432-50
Sequence 50, Application US/0994432
Patent No. US20020142419A1
GENERAL INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: December
APPLICATION NUMBER: 60
FILING DATE: December
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Godowski, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kljavin, Ivar
Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361
                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421
                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                       원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
```

ö . 0 Query Match 100.0%; Score 2529; DB 9; Length 455; Best Local Similarity 100.0%; Pred. No. 1e-208; Matches 455; Conservative 0; Mismatches 0; Indels 0

1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS

```
PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 18, 1997
PRIOR PLING DATE: December 19, 1998
PRIOR FILING DATE: Pebriary 9, 1998
PRIOR FILING DATE: Pebriary 10, 1998
PRIOR FILING DATE: Pebriary 11, 1998
PRIOR FILING DATE: Pecamber 16, 1998
PRIOR APPLICATION NUMBER: 09/216, 02
PRIOR APPLICATION NUMBER: 09/216, 03
PRIOR FILING DATE: December 11, 1999
PRIOR FILING DATE: December 11, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21099
PRIOR FILING DATE: December 11, 1999
PRIOR FILING DATE: December 11, 1999
PRIOR FILING DATE: December 11, 1999
PRIOR FILING DATE: PEBRIARY 27, 2000
PRIOR FILING DATE: PEBRIARY 27, 2000
PRIOR FILING DATE: PEBRIARY 11, 2000
PRIOR APPLICATION NUMBER: PCT/US99/21099
PRIOR FILING DATE: December 11, 1000
PRIOR APPLICATION NUMBER: PCT/US99/21099
PRIOR APPLICATION NU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-943-762-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILLE REPERENCE: P5.548PLC
CURRENT APPLICATION NUMBER: US/09/943,762
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: December 3, 1997
PRIOR PILING DATE: December 1, 1997
PRIOR PILING DATE: December 1, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PILING DATE: December 12, 1997
PRIOR PILING DATE: December 12, 1997
                                                                                                                           61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                                                                 121 VEVVSLWFABEGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTATEAFVC 180
                                                                                                                                                                                                                                                                                                                                 181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                           181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241 RLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           301 TCDLRIDGDCFMVSSBADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNÇVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                   61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                                                                                                  121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 50, Application US/09943762
Patent No. US20020142958A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: December 16, 199'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eaton, Dan
Ferrara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kljavin, Ivar
Napier, Mary
Roy, Margaret
Tumas, Daniel
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 10
US-09-943-762-50
                                                                                                                                                                                                                                                                                                                                                                                                 음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
```

0; Gaps Length 455; Indels Query Match 100.0%; Score 2529; DB 9; Best Local Similarity 100.0%; Pred. No. 1e-208; Matches 455; Conservative 0; Mismatches 0;

1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS

g

ò

à

```
1 MIHPETSPGRGHILAVLIALIGITWAEVWPPQLQEQAPWAGALNRKESFLILSIHNRIRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 9; Length 455;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 2529; DB 9;
llarity 100.0%; Pred. No. 1e-208;
Conservative '0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CR AFFLICATION NUMBER: 60/112,850
CR FILING DATE: Becember 16, 1998
CR APPLICATION NUMBER: 60/112,850
CR FILING DATE: December 16, 1998
CR FILING DATE: December 21, 1998
CR FILING DATE: December 22, 1998
CR FILING DATE: December 16, 1998
CR FILING DATE: July 28, 1999
CR APPLICATION NUMBER: PCT/US98/19330
CR APPLICATION NUMBER: PCT/US98/25108
CR FILING DATE: December 16, 1998
CR FILING DATE: December 16, 1998
CR FILING DATE: December 16, 1998
CR FILING DATE: December 22, 1998
CR APPLICATION NUMBER: 09/218,517
CR FILING DATE: December 22, 1998
CR APPLICATION NUMBER: 09/218,517
CR FILING DATE: September 22, 1999
CR FILING DATE: September 15, 1999
CR FILING DATE: September 15, 1999
CR FILING DATE: NO. US20020142959Alember 30, 195
CR FILING DATE: NO. US20020142959Alember 30, 195
CR FILING DATE: December 1, 1999
CR APPLICATION NUMBER: PCT/US99/28313
CR APPLICATION NUMBER: PCT/US99/28011
CR APPLICATION NUMBER: PCT/US99/28011
CR FILING DATE: December 1, 1999
CR APPLICATION NUMBER: PCT/US99/28011
CR APPLICATION NUMBER: PCT/US99/28005
CR APPLICATION NUMBER: PCT/US99/28005
CR APPLICATION NUMBER: PCT/US99/28005
CR APPLICATION NUMBER: PCT/US90/03565
                                                    PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 17, 1997
PRIOR PLING DATE: December 19, 1997
PRIOR PLING DATE: December 19, 1997
PRIOR PLING DATE: December 19, 1998
PRIOR PLING DATE: Pebruary 9, 1998
PRIOR PLING DATE: Pebruary 9, 1998
PRIOR PLING DATE: Pebruary 9, 1998
PRIOR PLING DATE: Pebruary 5, 1998
PRIOR PLING DATE: Pebruary 5, 1998
PRIOR PLING DATE: Pebruary 5, 1998
PRIOR PLING DATE: December 16, 1998
PRIOR PLING DATE: SEPT CANAGE 16, 1999
PRIOR PLING DATE: DECEMBER 16, 1999
PRIOR PLING DATE: SEPT CANAGE 16, 1999
PRIOR PLING DATE: DECEMBER 16, 1999
PRIOR PLING DATE: PRIOR DECEMBER 16, 1999
PRIOR PLING DATE: SEPT CANAGE 19, 1999
PRIOR PLING DATE: PERCARET 1, 2000
PRIOR PRICATION NUMBER: PCT/USO/04419
PRIOR PRICATION 
                                     RILING DATE: December 16, 1997
A APPLICATION NUMBER: 60/069,870
R FILING DATE: December 17, 1997
A APPLICATION NUMBER: 60/069,873
R FILING DATE: December 17, 1997
A APPLICATION NUMBER: 60/069,017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 455; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-944-654-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILL REFERENCE: PS-548PCI.

FILE REFERENCE: PS-548PCI.

CURRENT APPLICATION NUMBER: U$/09/944,654

CURRENT FILING DATE: 2001-09-26

PRIOR RELING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: 60/067,411

PRIOR FILING DATE: December 3, 1997

PRIOR FILING DATE: December 1, 1997

PRIOR FILING DATE: December 11, 1997

PRIOR APPLICATION NUMBER: 60/069,334

PRIOR FILING DATE: December 11, 1997

PRIOR FILING DATE: December 16, 1997
                                                                                                                                                                                                         121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                  181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                      240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEGCSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS 60
                                                                                                                   61 WVQPPAADWRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                               181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 50, Application US/09944654 Patent No. US20020142959Al GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski, Paul
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gurney, Austin
Hillan, Kenneth
Kljavin, Ivar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Roy, Margaret
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361
                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421
```

ö

```
PRIOR APPLICATION NUMBER: 60/669/873
PRIOR APPLICATION NUMBER: 60/669/873
PRIOR PILING DATE: December 17, 1997
PRIOR PILING DATE: December 17, 1997
PRIOR PILING DATE: December 18, 1997
PRIOR PILING DATE: December 18, 1997
PRIOR PILING DATE: December 18, 1998
PRIOR PILING DATE: Pebriary 9, 1998
PRIOR FILING DATE: Pebriary 9, 1998
PRIOR PILING DATE: Pebriary 9, 1998
PRIOR PILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113, 296
PRIOR FILING DATE: December 16, 1998
PRIOR PILING DATE: December 16, 1998
PRIOR PILING DATE: December 16, 1998
PRIOR FILING DATE: December 16, 1999
PRIOR FILING DATE: December 17, 1999
PRIOR FILING DATE: December 16, 1999
PRIOR FILING DATE: PEBRIAR: PCT/US99/3009
PRIOR FILING DATE: PEBRIAR: PCT/US99/2009
PRIOR FILING DATE: PEBRIAR: PCT/US99/3009
PRIOR FILING DATE: PEBRIAR: PCT/US99/3009
PRIOR FILING DATE: PEBRIAR: PCT/US99/2009
PRIOR FILING DATE: PEBRIAR: PCT/US99/3009
PRIOR FILING DATE: PEBRIAR: PCT/US90/0561
PRIOR FILING DATE: PCT/US90/0561
PRIOR FILING DATE: PCT/US90/0561
PRIOR FILING DATE: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: PCT/USO1/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-943-851A-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P2548PCI CURRENT APPLICATION NUMBER: US/09/943,851A CURRENT FILING DATE: 2001-08-30 PRIOR PPLICATION NUMBER: US/09/866,028 PRIOR PPLICATION NUMBER: US/09/866,028 PRIOR PLILING DATE: 2001-05-25 PRIOR PLILING DATE: December 3, 1997 PRIOR PLILING DATE: December 1, 1997 PRIOR PLILING DATE: December 1, 1997 PRIOR PLILING DATE: December 11, 1997 PRIOR PLILING DATE: December 12, 1997 PRIOR PLILING DATE: DECEMBER: 60/663,425 PRIOR PLILING DATE: 00/663,425 PRIOR PLILI
                                                                                                                                                                                                                                                                                                                                 121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                     AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 241 RLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREBECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                   61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQBQAPMAGALNRKESFLLLSLHNRLRS 60
                                                                                                                                                                                                                                                      121 VEVVSLWFAEGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC
                                                                                                                                                     61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 50, Application US/09943851A
Patent No. US20020150976A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Baker, Kevin
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Napier, Mary
Roy, Margaret
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kljavin, Ivar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
```

```
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
Length 455;
                                                           Indels
Query Match
100.0%; Score 2529; DB 9;
Best Local Similarity 100.0%; Pred. No. 1e-208;
Matches 455; Conservative 0; Mismatches 0;
```

```
PRIOR APPLICATION NUMBER: 60/069,102
PRIOR APPLICATION NUMBER: 60/069,103
PRIOR FILING DATE: December 10, 1997
PRIOR FILING DATE: December 10, 1997
PRIOR FILING DATE: December 10, 1997
PRIOR PLING DATE: December 10, 1997
PRIOR PLING DATE: December 10, 1997
PRIOR FILING DATE: December 10, 1997
PRIOR FILING DATE: December 10, 1997
PRIOR FILING DATE: December 10, 1998
PRIOR PRICATION NUMBER: 60/010,408
PRIOR PLING DATE: December 10, 1998
PRIOR PRILING DATE: Pebruary 9, 1998
PRIOR PRILING DATE: Pebruary 25, 1998
PRIOR PLING DATE: December 10, 1998
PRIOR PLING DATE: December 11, 1998
PRIOR PLING DATE: December 10, 1998
PRIOR PLING DATE: December 11, 1998
PRIOR PLING DATE: DECEMBER: 00/1059/28409
PRIOR PLING DATE: DECEMBER: 00/1059/28413
PRIOR PLING DATE: PEBRUARY: 11, 2000
PRIOR APPLICATION NUMBER: PCT/USO9/08419
PRIOR PLING DATE: PEBRUARY: 11, 2000
PRIOR APPLICATION NUMBER: PCT/USO9/08419
PRIOR PLING DATE: PEBRUARY: 11, 2000
PRIOR APPLICATION NUMBER: PCT/USO9/08109
PRIOR PRIOR PLING DATE: PEBRUARY: 11, 2000
PRIOR PRIOR PLING DATE: PEBRUARY: 20, 2000
PRIOR PRIOR PLING DATE: PEBRUARY: 20, 2000
PRIOR PRIOR PLING DATE: PEBRUARY: 20, 2000
PRIOR PRIOR PLING DATE: PEBR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
CORGANISM: Homo Sapien
US-09-944-413-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Baker, Kevin
APPLICANT: Beton, Dand
APPLICANT: General Andrey
APPLICANT: General Andrey
APPLICANT: General Andrey
APPLICANT: Grimal Ald, Christopher
APPLICANT: Grimal Ald, Christopher
APPLICANT: Grimal Ald, Christopher
APPLICANT: Hillan, Kenneth
APPLICANT: Hillan, Kenneth
APPLICANT: Hillan, Kenneth
APPLICANT: Mod, William
ITILE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
APPLICANT: Wood, William
ITILE OF INVENTION: SECRETED AND TRANSMEMBRANE
APPLICANT: Wood, William
APPLI
                                                                                                                                                                                                                                                                        121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                         181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                        61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                              61 WVQPPAADWRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                                  121 VEVVSLWFABGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                            AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241 RLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QASAAFWANDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 50, Application US/09944413
Patent No. US20020156004A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     421
                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
```

1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS Query Match 100.0%; Score 2529; DB 9; Length 455; Best Local Similarity 100.0%; Pred. No. 1e-208; Matches 455; Conservative 0; Mismatches 0; Indels 0.

```
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 2529; DB 9; Best Local Similarity 100.0%; Pred. No. 1e-208; Matches 455; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOR AFFILING DATE: September 16, 1998

LOR APPLICATION NUMBER: PCT/US98/25108

LOR PILING DATE: December 16, 1998

LOR PELLING DATE: December 16, 1998

LOR PELLING DATE: December 16, 1998

LOR PELLING DATE: December 16, 1998

LOR APPLICATION NUMBER: 09/254, 311

ROR FILING DATE: December 22, 1998

LOR APPLICATION NUMBER: PCT/US99/1255

LOR APPLICATION NUMBER: PCT/US99/21090

ROR PILING DATE: June 22, 1999

LOR APPLICATION NUMBER: PCT/US99/28409

LOR APPLICATION NUMBER: PCT/US99/28419

LOR APPLICATION NUMBER: PCT/US99/28313

LOR FILING DATE: September 15, 1999

LOR APPLICATION NUMBER: PCT/US99/28313

COR APPLICATION NUMBER: PCT/US99/28313

COR APPLICATION NUMBER: PCT/US99/28313

COR APPLICATION NUMBER: PCT/US99/28313
                                                                                 PRIOR APPLICATION NUMBER: 60/69,873
PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 17, 1997
PRIOR FILING DATE: December 18, 1997
PRIOR FILING DATE: December 18, 1997
PRIOR FILING DATE: December 18, 1999
PRIOR FILING DATE: PEDULARY 9, 1998
PRIOR FILING DATE: FEDLUARY 9, 1998
PRIOR FILING DATE: PEDULARY 9, 1998
PRIOR FILING DATE: PEDULARY 9, 1998
PRIOR FILING DATE: December 16, 1998
PRIOR FILING DATE: December 15, 1999
PRIOR FILING DATE: DECEMBER: PCT/US99/2813
PRIOR FILING DATE: PEDULARY 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/0584
PRIOR FILING DATE: PEDULARY 22, 2000
PRIOR PRIOR DATE: PEDULARY 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/0584
PRIOR FILING DATE: PEDULARY 22, 2000
PRIOR PRIOR PRIOR DATE: PEDULARY 22, 2000
PRIOR PRIOR PRIOR DATE: PEDULARY 22, 2000
PRIOR PRIOR DATE: PE
                                        December
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 120
SEQ ID NO 50
LENGTH: 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
; ORGANISM: Homo Sapien
US-09-944-403-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ITLE REFERENCE: PS-548PG.

FILE REFERENCE: PS-548PG.
CURRENT APPLICATION NUMBER: US/09/944,403
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR FILING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR PILING DATE: December 11, 1997
PRIOR FILING DATE: December 12, 1997
PRIOR PADILICATION NUMBER: 60/669,696
                                                                                                                                                                                                                                                                                                                      240
                                                                                                                                                                                                                                                                                                                                                                            181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     360
                                                                                                                                                                                      121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                                                                                                                                                                                                                            121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                               AYSPGGNWEYNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                                                                                                                            241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL
                                                            WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 50, Application US/09944403
Patent No. US20020165143A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/069,69.
FILING DATE: December 16, 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ferrara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: December 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Napier, Mary
Roy, Margaret
Tumas, Daniel
                                                                61
                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   421
                                                                                                                                                                                   ò
                                                                                                                                                                                                                                               요. 첫
                                                                                                                                                                                                                                                                                                                                                                      임
                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   dd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
```

Gaps ö Indels

Length 455;

```
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a 100.0%; Score 2529; DB 9; Length 455; Similarity 100.0%; Pred. No. 1e-208; 55; Conservative 0; Mismatches 0; Indels 0
                  PRIOR FILING DATE: December 17, 1997

PRIOR FILING DATE: December 17, 1997

PRIOR FILING DATE: December 17, 1997

PRIOR FILING DATE: December 18, 1998

PRIOR FILING DATE: December 18, 1998

PRIOR FILING DATE: PENTANY 9, 1998

PRIOR FILING DATE: PENTANY 9, 1998

PRIOR FILING DATE: PENTANY 9, 1998

PRIOR APPLICATION NUMBER: 60/074,098

PRIOR APPLICATION NUMBER: 60/075, 945

PRIOR PELLING DATE: PENTANY 9, 1998

PRIOR APPLICATION NUMBER: 60/075, 945

PRIOR FILING DATE: PENTANY 9, 1998

PRIOR PELLING DATE: PENTANY 9, 1998

PRIOR PELLING DATE: PENTANY 9, 1998

PRIOR PELLING DATE: PENTANY 9, 1999

PRIOR PELLING DATE: PENTANY 9, 1999

PRIOR PELLING DATE: PENTANY 9, 1999

PRIOR PELLING DATE: SEPTEMBER: 60/11, 1998

PRIOR PELLING DATE: SEPTEMBER: 60/11, 1998

PRIOR PELLING DATE: SEPTEMBER: 10/11, 1999

PRIOR PELLING DATE: December 15, 1999

PRIOR PELLING DATE: DECEMBER: 10/1089/1252

PRIOR PELLING DATE: DECEMBER: 15, 1999

PRIOR PELLING DATE: DECEMBER: 15, 1999

PRIOR PELLING DATE: PELLING 1991

PRIOR PELLING DATE: PELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1999
            60/069,870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CORGANISM: Homo Sapien
US-09-944-896-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Simil
Matches 455; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Becrein, David
APPLICANT: Becrein, David
APPLICANT: Retron, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Christopher
APPLICANT: Goddard, Christopher
APPLICANT: Grimaldi, Christopher
APPLICANT: Grimaldi, Christopher
APPLICANT: Milan, Kenneth
APPLICANT: APPLICANT: Najavin, Ivar
APPLICANT: Aljavin, Ivar
APPLICANT: APPLICANTON: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ALD APPLICATION NUMBER: 06/069;334
PRIOR FILING DATE: 2001-05-25
PRIOR PELING DATE: December 11, 1997
PRIOR PELING DATE: December 12, 1997
PRIOR PELING DATE: December 12, 1997
PRIOR PELING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR PELING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR PELING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,709
PRIOR PELING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,709
PRIOR PELING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,709
                                                                                                                                                                                                                                                                                                                                 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                        WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                           61 WYQPPAADMRRIDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                                                                          121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                      181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNFCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                241 RLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                  361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 50, Application US/09944896
Patent No. US20020168715A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FALCH
APPLICANT: Baker, Kevin
APPLICANT: Baker, Kevin
APPLICANT: Botstein,David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-944-896-50
                                                           61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                           g
                                                                                                                                                                          δ
                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ∂
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
```

9

120 120	180 180	240 240	300	360 360	420		
WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 	VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGGGRHLCSAGGTAIEAFVC 	AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLGEVPRNPCRMSCQNHG	RLNI STCHCHCPPGYTGRYCQVRCSLQCVHGRFREEGCSCVCDIGYGGAQCATKVHFPFH	TCDLRIDGDCFWVSSEADTYXRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT	DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGOPDNHGLVWLSAAMGFGNCVEL 	. QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455 	
61	121	181	241	301	361	421	
Qy Dp	S G	8 S	ç, Bb	Oy Dp	oy Pb	oy G	

Search completed: September 9, 2004, 09:27:04